CUPBOARD KNOBS, TURNS AND BUTTONS.

IRON SHUTTER KNOBS.



No. 6233.
Japanned.
Size ⅞ in., **6/6** grs.
„ 1 „ **7/6** „
„ 1⅛ „ **9/-** „
„ 1¼ „ **11/6** „
„ 1½ „ **18/6** „

POLISHED BRASS SASH KNOBS.



No. 6234.
Size ½ in., **6/-** gross.
„ ⅝ „ **7/6** „
„ ¾ „ **11/-** „
„ ⅞ „ **17/6** „
„ 1 „ **22/-** „

POLISHED BRASS SHUTTER KNOBS.



No. 6235. Medium.
Size 1 in., **1/6** doz.
„ 1⅛ „ **1/9** „
„ 1¼ „ **2/-** „
„ 1⅜ „ **2/9** „
„ 1½ „ **3/3** „
No. 6236. Ditto.
With Cast Rose.
Size 1 in , **3/6** doz.
„ 1⅛ „ **3/9** „
„ 1¼ „ **4/6** „
„ 1⅜ „ **5/6** „
„ 1½ „ **6/6** „

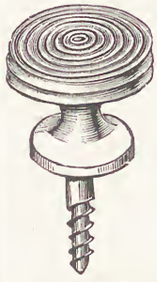


No. 6237.
Cast Knob and Rose.
Sizes 1 in. **3/3** dozen.
„ 1¼ „ **4/-** „
„ 1½ „ **6/-** „

FANCY POLISHED BRASS SHUTTER KNOBS.

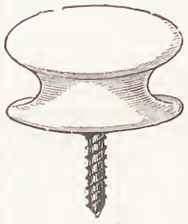


No. 6238.
13/- per dozen.
Drawn half size.



No. 6239.
Sizes 1 in., **6/-** doz
„ 1⅛ „ **7/-** „
„ 1¼ „ **8/6** „
„ 1½ „ **13/6** „
„ 1¾ „ **17/-** „

CHINA KNOB.



No. 6240.

Sizes,	1	1¼	1½ in.
White	1/6	1/9	2/-
Black	1/9	2/-	2/3
White & Gold Lines	3/3	3/9	4/3
Black ditto	3/6	4/-	4/6

Per dozen.

GLASS SHUTTER KNOBS.



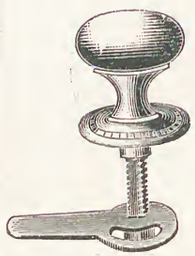
No. 6241.
Crystal. Amber.
Sizes 1, **23/-** **28/-**
„ 1¼, **27/-** **32/-**
„ 1½, **27/6** **32/6**

No. 6242.
Plain Moulded Pattern in Crystal or Amber, **10/6** per dozen.

POLISHED BRASS CUPBOARD TURNS.

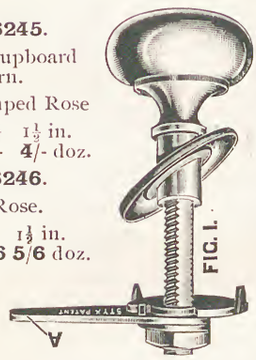


No. 6243.
Stamped Brass.
1 in. .. **2/6**
1⅛ „ .. **3/-**
1¼ „ .. **3/3**
per dozen.

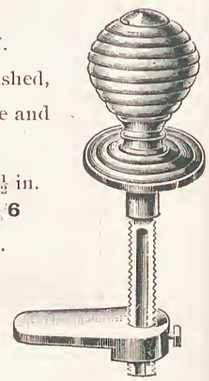


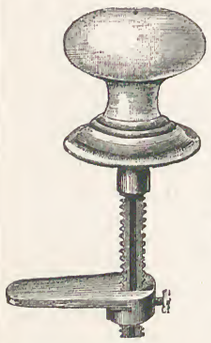
No. 6244.
Brass.
1 in. .. **2/-**
1⅛ „ .. **2/6**
1¼ „ .. **3/-**
Per dozen.

No. 6245.
Patent Cupboard Turn.
With Stamped Rose
Sizes, 1¼ 1½ in.
3/- **4/-** doz.
No. 6246.
Cast Rose.
Sizes, 1¼ 1½ in.
4/6 **5/6** doz.

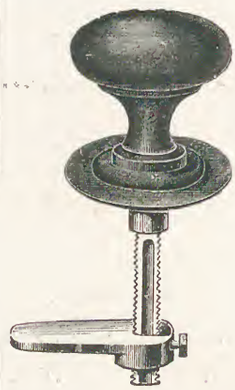


No. 6247.
Cast Brass, Polished, with Cast Rose and Knob.
1¼ 1⅜ 1½ in.
18/- **21/6** **22/6**
Per dozen.
Drawn half size.



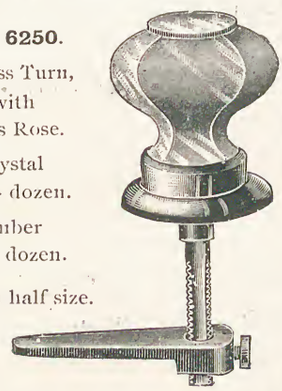


No. 6248.
China Knob and Rose.
White. Black.
1¼ in. **4/9** **5/6**
1⅜ „ **5/-** **5/9**
1½ „ **5/6** **6/-**
Per dozen.
Drawn half size.

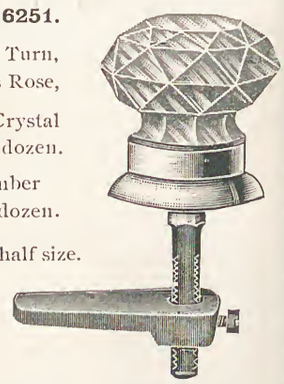


No. 6249.
Oak or Ebony Loose Rose.
1¼ in., **11/-**doz.
1⅜ „ **12/-** „
1½ „ **13/-** „
Brass Mounted Neck.
Brass Spindle and Tongue.
Drawn half size.

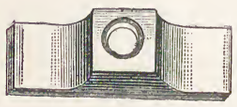
No. 6250.
Glass Turn, with Brass Rose.
Crystal **10/-** dozen.
Amber **11/-** dozen.
Drawn half size.



No. 6251.
Glass Turn, Brass Rose,
Cut Crystal **17/6** dozen.
Amber **19/-** dozen.
Drawn half size.



No. 6252. BUTTONS.



No. 6252.

Sizes,	1½	1¾	2	2¼	2½ ins.
Japanned Iron,	**2/9**	**3/6**	**4/3**	**5/6**	**5/9** grs.

No. 6253.
Polished Brass, **12/-** **15/-** **18/-** **24/-** — „
No. 6254.

Sizes,	½	¾	1	1¼	1½ ins.
Iron Half Buttons ...	—	—	**2/-**	**2/3**	**2/6** grs.

No. 6255.
Polished Brass ditto ... **5/-** **6/-** **9/6** **14/-** — „

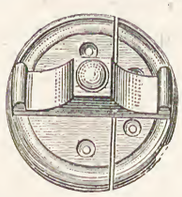
No. 6256. BUTTONS.



Sizes,	1¾	2	2¼ ins.
No. 6256. Japanned Iron,	**2/9**	**3/-**	**3/6** grs.
No. 6257. Polished Brass,	**1/9**	**2/6**	— doz.

Sizes,	2	2¼ ins.
No. 6258. Brass on Plate,	**5/-**	**5/6** dozen.

No. 6260. BUTTONS ON PLATES.

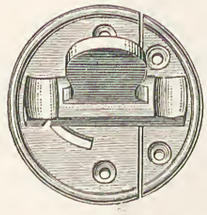


No. 6259.

Sizes,	1¾	2	2¼ ins.
Japanned Iron,	—	**13/-**	**15/-** grs.

No. 6260.
Burnished Brass, **4/-** **4/6** **5/6** doz.

No. 6261. BUTTON ON PLATE WITH STOP.



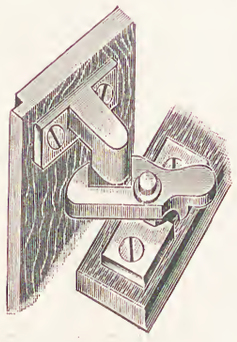
Burnished Brass.

Sizes,	1¾	2	2¼ ins.
	4/3	**4/9**	**5/9** per dozen.

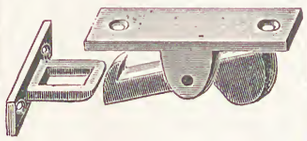
CUPBOARD CATCHES, &c.

"RAYNERS" PATENT BRASS CUPBOARD CATCHES, POLISHED.

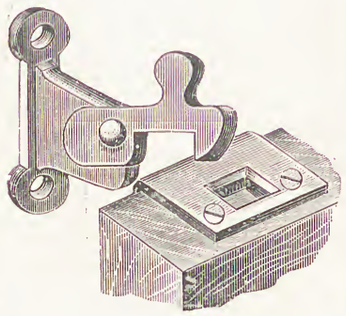
Drawings Half Size.



No. 6262. 5/6 per doz.



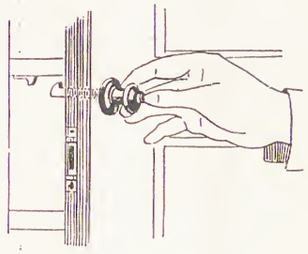
No. 6263. 7/3 per doz.



No 6264. 17/- per doz.

These Patent Catches are automatic in action, and immediately the catch on the door comes in contact with the fastener, the door is fastened without further trouble, and can be as readily released.

"LEEDS" CUPBOARD FASTENER.

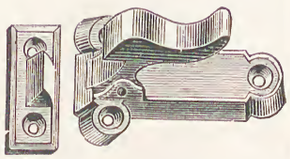


No. 6265.

Cast Brass. Oak. Ebony.
12/- **8/-** **10/-** per doz.

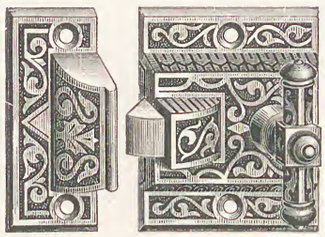
You merely press the button, as in the above sketch, and draw open the cupboard door. The door is fastened by simply closing it.

CUPBOARD CATCHES.

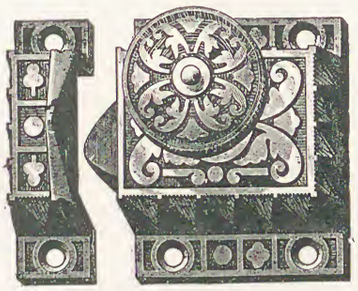


No. 6266.

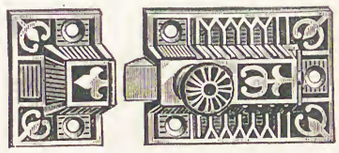
Iron. Brass.
4/3 **9/-** per doz.
Drawn half size.



No. 6267. Kahala Bronze.
$1\frac{3}{4}$ $2\frac{1}{8}$ in.
8/3 **10/9** per doz.

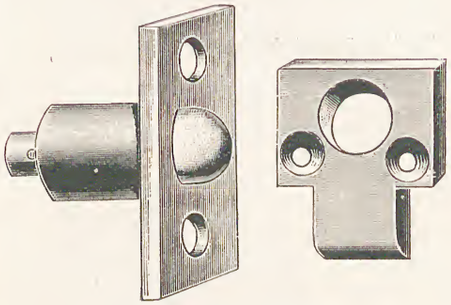


No. 6268. Bronzed Iron.
$2\frac{3}{8}$ in. × $2\frac{1}{8}$ in. overall. **5/-** per doz.

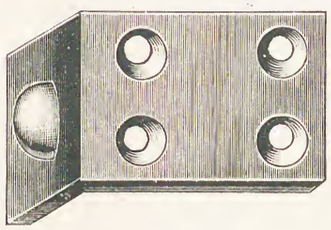


No. 6269. 2 in Kahala Bronze with Bronze-plated Knob, **4/-** per doz.

BRASS BALE'S BALL LATCHES, POLISHED.

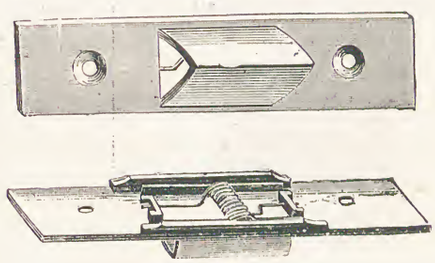


No. 6270. Mortice.
Sizes $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 in.
7/6 **13/3** **17/3** **20/6** **31/-** **38/-** per doz.



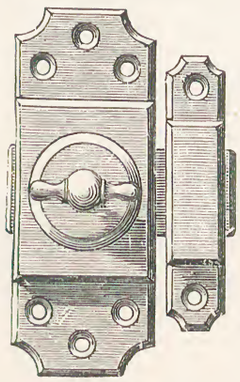
No. 6272. Rim.
Sizes 1×$\frac{3}{4}$ $1\frac{1}{4}$×1 $1\frac{1}{2}$×$1\frac{1}{4}$ $1\frac{3}{4}$×$1\frac{1}{4}$ in.
7/- **8/-** **10/6** **13/9** per doz.

FRENCH SPRING CATCHES, POLISHED BRASS.



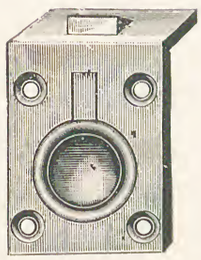
No. 6273. With Striking Plates.
Sizes 2 $2\frac{1}{2}$ 3 $3\frac{1}{2}$ $4\frac{1}{2}$ $6\frac{1}{2}$ in.
3/6 **4/6** **8/-** **11/-** **16/-** **33/-** per doz.

ECCENTRIC SAFETY BOLTS.



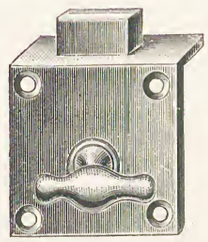
Size across 1 $1\frac{1}{8}$ $1\frac{3}{8}$ $1\frac{5}{8}$ $1\frac{7}{8}$ in.
No. 6274. Iron **5/9** **7/-** **9/-** **10/9** **14/3**
No. 6275.
Polished Brass **10/9** **12/3** **14/6** **17/3** **21/3**
No. 6276.
Nickel-plated **17/9** **18/6** **21/9** **26/-** **30/6**
per doz.

BRASS FLUSH CATCHES, POLISHED.



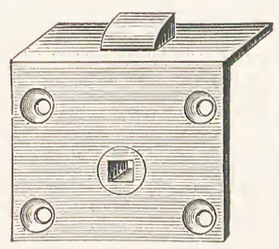
No. 6277.

$1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ in.
× × × ×
$1\frac{3}{8}$ $1\frac{1}{2}$ $1\frac{5}{8}$ $1\frac{5}{8}$ in.
15/- **16/-** **17/3** **20/-** doz.



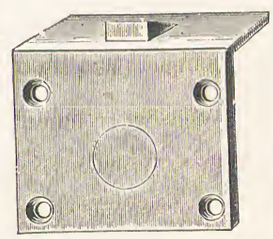
No. 6278.

$1\frac{3}{4}$×$1\frac{3}{4}$ in.
14/6 per doz.



No. 6279.

$1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ 3 in.
17/- **17/6** **18/3** **19/-** **19/6** **26/-**
per doz.



No. 6280.

2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 in.
20/9 **21/6** **22/-** **26/-** **32/6**
per doz.

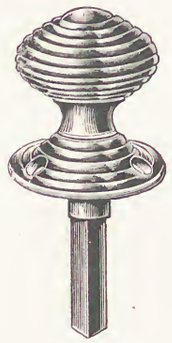
SHUTTER LATCH & DRAWER KNOBS & ESCUTCHEONS.

No. 6281.



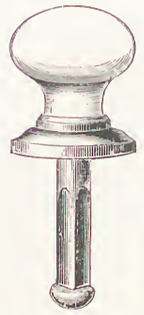
Plain Brass .. .. .. **10/6** doz.
Plain Wood, Oak, or Ebony **7/6** ,,
Drawn half full size.

No. 6282.



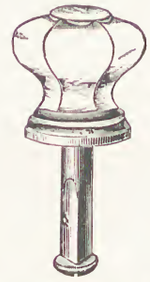
Reeded Brass, 1½ in. **19/-** doz.
Reeded Wood, Oak,
or Ebony .. **10/6** ,,

No. 6283.



Loose China Rose 1¼ in
White China .. **5/-** doz.
Black ,, **5/3** ,,
White & Gold China **7/-** ,,
Black ,, ,, **7/3** ,,

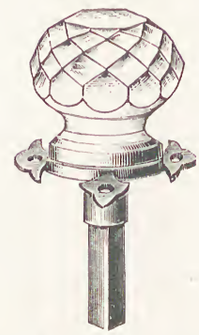
No. 6284.



MOULDED GLASS WITH BRASS ROSE.

Crystal. **32/6** Amber. **40/-** doz.
Drawn half full size.

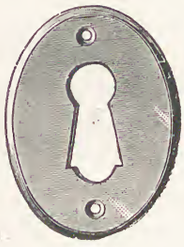
No. 6285.



CUT GLASS WITH BRASS ROSE.

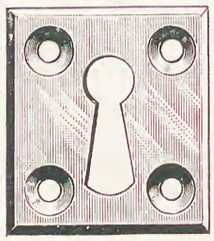
Crystal. **32/6** Amber. **37/6** per doz.
Drawn half full size.

BRASS CUPBOARD ESCUTCHEON.
No. 6286. Stamped.



Size, 1⅜ in.
6d. per doz.

BRASS CUPBOARD ESCUTCHEON.
No. 6287. Cast.



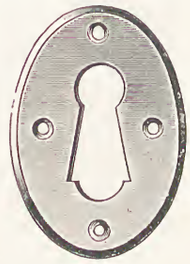
Size, 1¼ × 1⅛ in.
1/6 per doz.

BRASS THREAD ESCUTCHEON.
No. 6288. Cast.



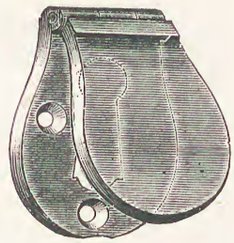
Sizes ⅝ ¾ ⅞ 1 in.
4/- 4/9 6/- 7/3 gross.

RIM ESCUTCHEON.
No. 6289.



Jap'd Iron
For 5 6 7 8 9 10 in. Locks
3/6 4/- 5/- 6/- 7/- 8/- gross
Brass
6d. 7d. 8d. 9d. 11d. 1/- doz.

HINGED COVERED ESCUTCHEON.
No. 6290.



Jap'd Iron
For 6 7 8 9 10 in. Locks
16/- 18/- 20/- 22/- 24/- gross
Brass
1½ 1¾ 2 2¼ 2½ 3 in.
6/6 8/6 9/9 11/- 14/- 18/- doz.

COVERED ESCUTCHEON.
No. 6291.



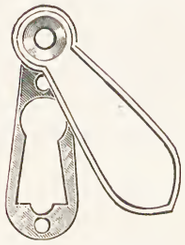
Sizes 1¾ 2 2¼ 2½ 2¾ ins.
Brass **5/- 6/- 7/- 8/- 10/9** doz.
For 5 6 7 8 9 10 in Locks.
Jap'd **9d. 11d. 1/1 1/4 1/8 2/-** doz.

MORTICE BRASS DROP ESCUTCHEON.
No. 6292.



Size, 2½ ins. long.
4/- per doz.

CHINA DROP ESCUTCHEON.
No. 6293.



Size, 2½ ins. long.
Plain White or Black **1/6** doz.
White or Black and
Gold .. .. **2/6** ,,

BERLIN BLACK GOTHIC ESCUTCHEONS.

No. 6294.



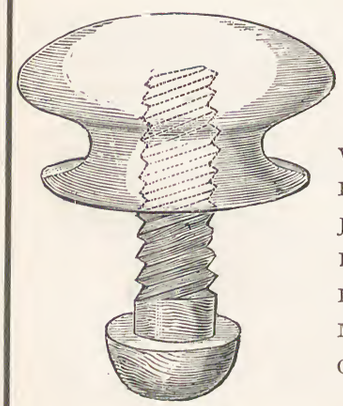
Rim .. .. **2/3** doz.
Stock .. .. **2/9** ,,

No. 6295.



Mortice.
2/9 per doz.

DRAWER KNOBS.



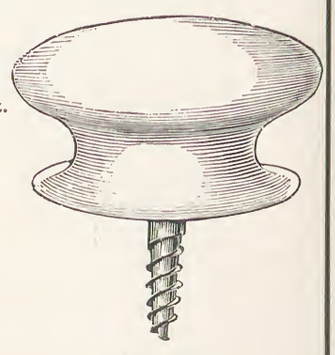
No. 6296.
Wood Screw.

No. 6296.

	1¼	1½	1¾	2	2¼ ins.
White China	**2/-**	**2/3**	**2/6**	**2/9**	**3/3** doz.
Black China	**2/3**	**2/6**	**2/9**	**3/-**	**3/6** ,,
Japanned Black	—	—	—	**1/-**	**1/3** ,,
Imitation Ebony	**1/1**	**1/2**	**1/3**	**1/4**	**1/6** ,,
Imitation Mahogany	**1/3**	**1/4**	**1/6**	**1/8**	**1/9** ,,
Mahogany	**1/6**	**1/8**	**1/10**	**2/1**	**2/3** ,,
Oak	**1/6**	**1/8**	**1/10**	**2/1**	**2/3** ,,

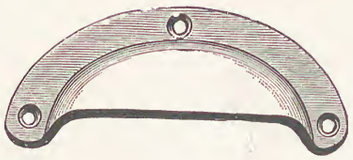
No. 6297.

Sizes	1¼	1½	1¾	2	2¼ ins.
White China	**2/-**	**2/3**	**2/9**	**3/-**	**3/6** doz.
Black China	**2/3**	**2/6**	**3/-**	**3/3**	**3/9** ,,
Japanned Black	—	—	—	**1/-**	**1/3** ,,
Imitation Ebony	**1/1**	**1/2**	**1/3**	**1/4**	**1/6** ,,
Imitation Mahogany	**1/3**	**1/4**	**1/6**	**1/8**	**1/9** ,,
Mahogany	**1/6**	**1/8**	**1/10**	**2/1**	**2/3** ,,
Oak	**1/6**	**1/8**	**1/10**	**2/1**	**2/3** ,,



No. 6297.
Iron Screw.

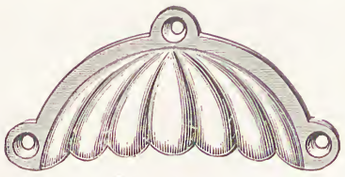
IRON AND BRASS DRAWER PULLS.



No. 6299.

No. 6298. Japanned .. . **1/-** per doz
„ **6299.** Polished Brass, **2/-** „
Drawn half size.

No. 6300. Patent Machine Made Round Edge, Polished Brass, Ditto, 4 ins., **3/3** per doz.



No. 6301. Polished Brass.

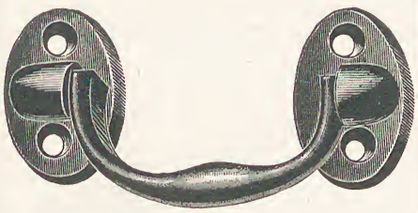
Sizes 3 3½ 4 ins.
3/3 **4/-** **5/9** per doz.



No. 6302.

Bronzed Iron .. .. **1/9** per doz.
Brass, Polished .. .. **4/-** „
Drawn half size.

IRON AND BRASS LIFTING HANDLES.



No. 6303. Japanned Iron.

Sizes 2¾ 3 3¼ 3½ ins.
3/9 **4/-** **5/-** **5/3**
per dozen pairs.



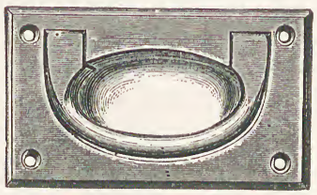
Sizes 2½ 2¾ 3 3¼ 3½ ins.
No. 6304. Medium Brass, Polished, **5/-** **5/9** **6/3** **7/6** **8/-**
„ **6305.** Strong Cast Brass, „ **7/-** **7/3** **7/6** **9/-** **11/-**
per dozen.



No. 6306. Brass, Polished.

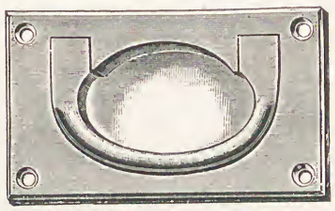
Sizes 2¾ 3 3½ ins.
8/6 **9/-** **11/6** per doz.

BRASS FLUSH DRAWER HANDLES.



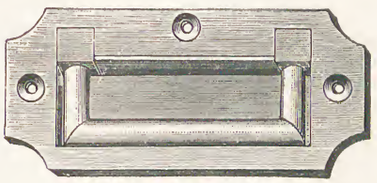
No. 6307. Stamped Brass, Polished

Sizes 2½ 3 3¼ 3½ 3¾ 4 ins.
5/3 **6/6** **7/9** **8/6** **9/-** **10/6** per doz



No. 6308. Cast Brass, Polished.

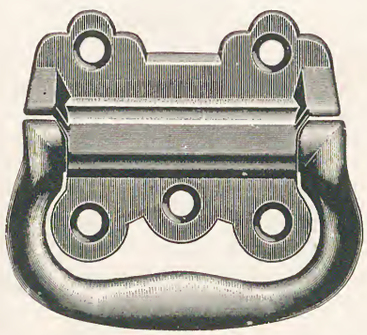
Sizes 2 2½ 3 3¼ 3½ 3¾ 4 ins.
6/3 **7/-** **9/-** **10/-** **11/6** **14/3** **15/6** per doz.



No. 6309. Cast Brass, Polished.

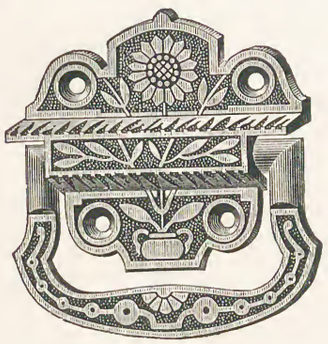
Sizes 3 3½ 3¾ 4¼ 4½ ins.
9/- **10/6** **12/3** **15/6** **18/-** per doz.

IRON TRUNK HANDLES.



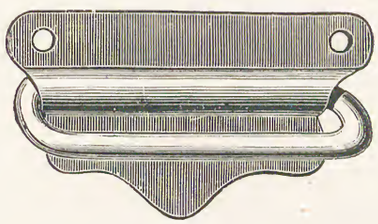
No. 6310. Japanned.

Sizes 3½ 4 4½ ins.
6/- **8/-** **11/-** per dozen pairs.



No. 6311. Kahala Bronze.

Sizes 3½ 4 ins.
7/- **9/6** per dozen pairs.



No. 6312. Japanned.

Sizes inside of Grip 2¾ 3 3¼ 3½ 3¾ 4 ins.
1/- **1/3** **1/6** **2/-** **2/6** **3/6** per doz. pairs

STRONG PLAIN HANDLE.



No. 6313. Japanned.

Extreme Lengths 4 4½ 5 5½ 6 6½ ins.
9d. **10**d **1/-** **1/6** **2/-** **2/6**
per dozen.

STRAP HANDLE.



No. 6314. Japanned.

Sizes of Grip 3¼ 3⅜ 3⅝ 3⅞ 4¼ 4½ ins.
1/6 **1/9** **2/-** **2/6** **3/-** **3/6** per dozen.

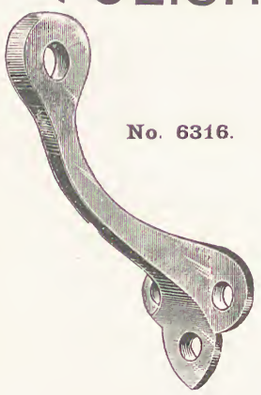
FLUTED HOT BED HANDLE.



No. 6315. Japanned

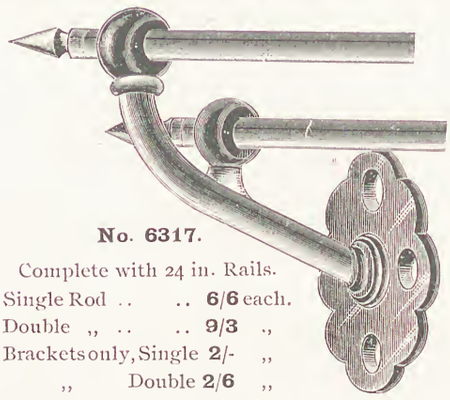
Extreme Lengths 5¼ 5¾ 6 6½ 7¼ ins.
1/3 **1/6** **1/9** **2/-** **2/6**
per dozen.

POLISHED BRASS TOWEL RAIL BRACKETS.



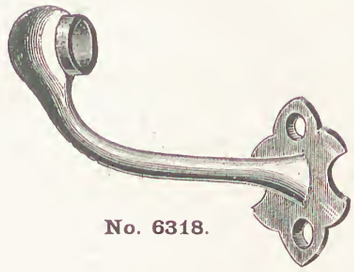
No. 6316.

11/- per doz.
Drawn half size.



No. 6317.

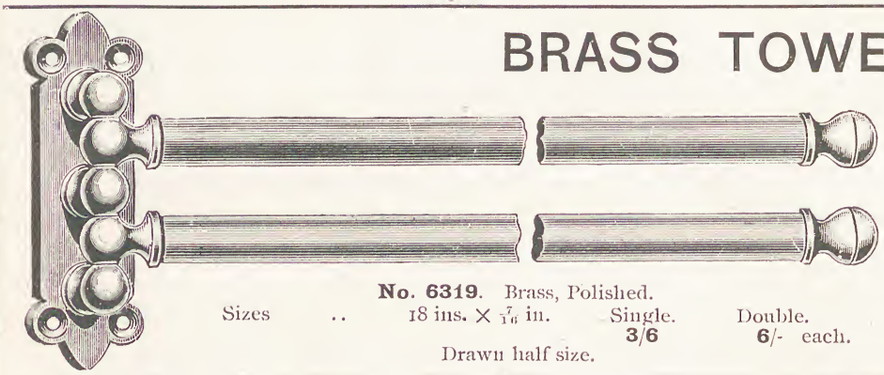
Complete with 24 in. Rails.
Single Rod .. .. **6/6** each.
Double ,, ... **9/3** ,,
Brackets only, Single **2/-** ,,
,, Double **2/6** ,,
Drawn half size.



No. 6318.

Sizes $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ in.
11/6 12/6 16/6 19/- per doz.
Drawn half size.

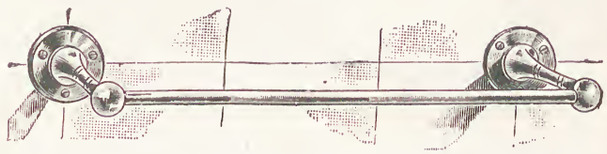
BRASS TOWEL RAILS.



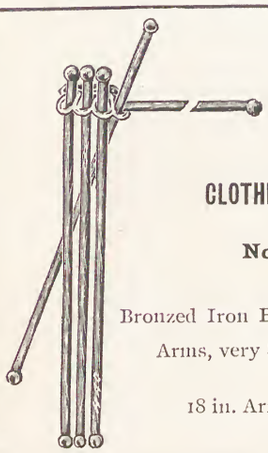
No. 6319. Brass, Polished.

Sizes ..	18 ins. × $\frac{7}{16}$ in.	Single.	Double.
		3/6	**6/-** each.

Drawn half size.



No. 6320. Nickel-plated Towel Rail, with Nickel-plated Brass Rod.
15 in. × $\frac{3}{8}$ in. × $3\frac{1}{8}$ in. Projection, **5/-** each.
20 in. × $\frac{1}{2}$ in. × $3\frac{1}{2}$ in. ,, **5/9** ,,
24 in. × $\frac{1}{2}$ in. × $3\frac{1}{2}$ in. ,, **6/3** ,,



CLOTHES AIRER.

No. 6321.

Bronzed Iron Brackets, Five Wooden Arms, very Strong and useful.

18 in. Arms, **9/-** per doz.

TOWEL ROLLER ON VARNISHED BACK.



No. 6322. All Fittings Brass, French Polished Roller and Back **21/-** per doz.

No. 6323. Iron Brackets, Brass Ends. French Polished Roller and Back **16/-** ,,

THE "DANDY" CLOTHES AIRER.

No. 6324.



WHEN OPENED.

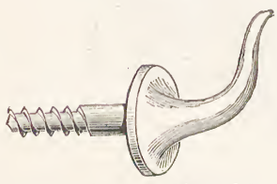


WHEN CLOSED.

Useful and Compact.
Eight Wooden Arms Rivetted to an Iron Hinged Bracket.
Length of Arms, 24 ins.
12/6 per doz.

POLISHED BRASS TOWEL HOOKS.

Round Shoulders.



Sizes $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ in.
No. 6325. 1/- 1/4 1/9 2/3 per doz.

CHAIR OR MATTRESS WEBBING.

Best English make.

Nos.	09.	010.	011.	C10.	C11.	C12.	11.	12.	13.	14.
Per gross yards.	**8/6**	**10/-**	**11/-**	**14/-**	**15/-**	**16/-**	**16/-**	**17/-**	**19/-**	**21/-**

Each gross is made up of eight eighteen-yard pieces.

CHAIR AND MATTRESS SPRINGS.



No. 6326.
Coppered.
5 ins. × 12G. **15/** gross.
6 ,, × 11G. **16/-** ,,
7 ,, × 10G. **19/-** ,,
8 ,, × 9G. **23/-** ,,
9 ,, × 8G. **33/-** ,,

Chair and Mattress Tufts, **1/9** and **2/3** per great gross.

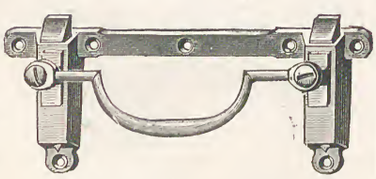
CADDY BALLS.

No. 6327. Polished Brass.

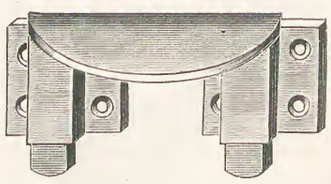


$\frac{3}{8}$ in. ..	**6/-**	per gross.
$\frac{7}{16}$,, ..	**7/-**	,,
$\frac{1}{2}$,, ..	**8/6**	,,
$\frac{5}{8}$,, ..	**11/-**	,,
$\frac{3}{4}$,, ..	**13/6**	,,
1 ,, ..	**24/9**	,,
$1\frac{1}{8}$,, ..	**31/-**	,,

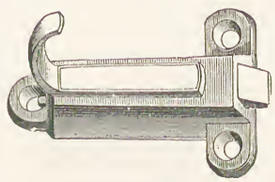
IRON AND BRASS TABLE CATCHES AND FASTENERS.



No. 6328.
Brass, **19/6** per doz.
Drawn half size.



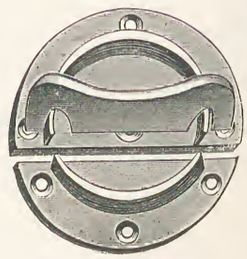
No. 6329.
Brass, **22/-** per doz. pairs.
Drawn half size.



No. 6330.

Iron.	Brass.
5/3	**9/9** per doz.

Drawn half size.



No. 6331 – Brass.

$1\frac{3}{4}$	2	$2\frac{1}{8}$	$2\frac{1}{2}$ in.
7/-	**8/-**	**8/9**	**11/6** per doz.

Drawn half size.

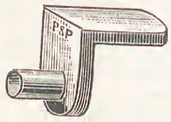
PATENT BOOK SHELF FITTINGS.

BOOK CASE STUDS.



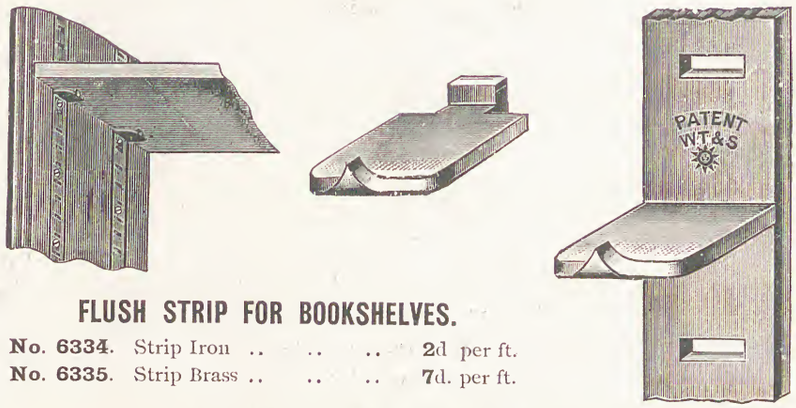
No. 6332.

Sizes	⅝	¾	⅞ in.	
Malleable	6/6	8/-	10/-	per gross.
Brass ..	19/-	26/-	32/-	,,



No. 6333.

Sizes	⅝	¾ in.	
Malleable ..	8/-	10/-	per gross.
Brass	—	25/-	,,



FLUSH STRIP FOR BOOKSHELVES.

No. 6334. Strip Iron .. .. .. 2d per ft.
No. 6335. Strip Brass .. .. .. 7d. per ft.

PLATES FOR BOOKSHELVES.

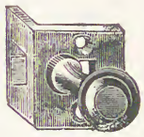
No. 6336. Steel .. .. 4/6 per gross.
No. 6337. Brass .. .. 8/- per gross.

BOOKCASE LEATHER.

No. 6338. For Fronts of Shelves.
Brown, Green, Scarlet and Marone, with Gold Ornaments.
Genuine, **16/-**; Imitation, **10/-** per doz. yards.

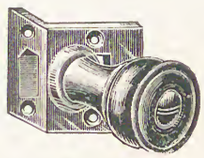
BOOK CASE CATCHES.

Dead Dipped Brass.



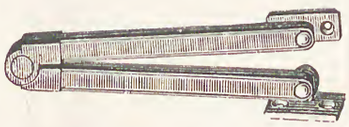
No. 6339.
Brass Knob .. **8/6** per doz.
Ebony ,, .. **11/6** ,,
Drawn half size.

Polished Brass.



No. 6340.
With Ebony Knob, **18/6** per doz.
Drawn half Size.

BRASS DESK STAY.

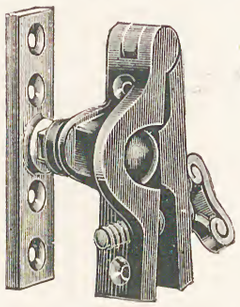


No. 6341. Polished.

Sizes	2	2½	3	3½	4	5	6	7 in.
	8/6	9/-	10/3	11/-	12/3	15/-	17/6	20/9

Per doz.

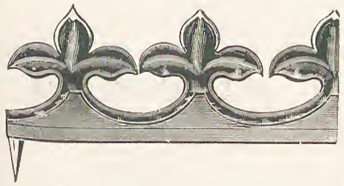
BLACKBOARD MOVEMENT.



No. 6342.
4¼ in. Malleable Iron, **4/-** per pair.

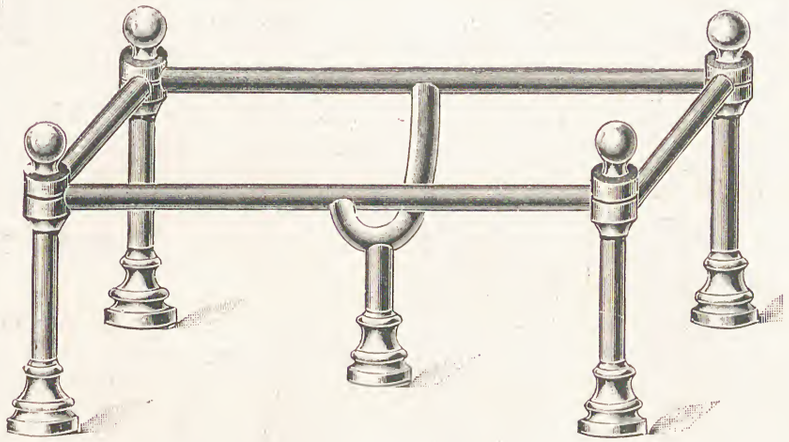
BRASS DESK EDGING.

Polished.



No. 6345. **2/6** per ft.
Drawn full size.

POLISHED BRASS DESK RAILS AND PILLARS.



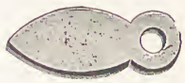
No. 6347.

Sizes	¾	⅞	1	1⅛	1¼ in.
Pillars, 12 ins. high and under, all Brass ..	5/9	6/9	8/9	9/-	9/3 each.
Crutch Pillars to match, as drawn ..	10/6	11/9	13/9	14/-	14/3 ,,
Rails	1/-	1/2	1/5	1/6	1/10 per foot.

Pillars with Square Base and Square Shoulders can be supplied at same prices as above, and is called **No. 6347a.**

BRASS DESK BUTTON.

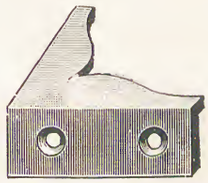
Polished.



No. 6343. Full size.
2/6 per gross.

BRASS DESK CORNER.

Polished.

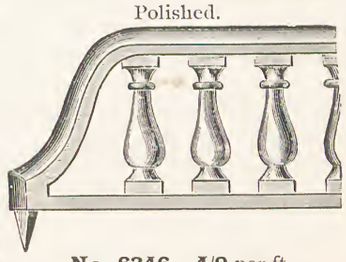


No. 6344. Cast Brass.

1¾ × ¾ in.	..	4/-	per doz.
2 × 1¾ ,,	..	4/3	,,
2¼ × ¾ ,,	..	5/9	,,
2½ × ⅞ ,,	..	7/-	,,
3 × 1 ,,	..	7/9	,,

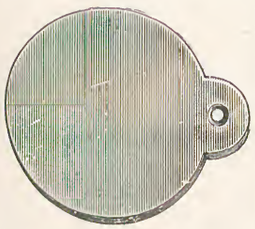
BRASS DESK EDGING.

Polished.



No. 6346. **4/9** per ft.
Drawn full size.

INK WELLS AND COVERS.



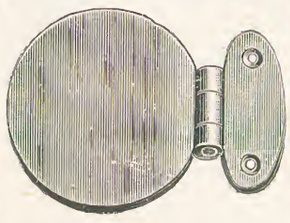
No. 6348. Polished Brass.
3/6 per doz.



No. 6349. Porcelain.

1¼	1½	1¾	2	2¼ in.
1/4	1/6	1/9	2/3	3/-

per doz.



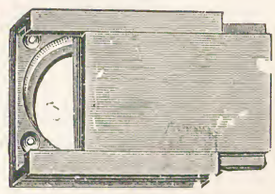
No. 6350. Polished Brass.
6/- per doz.



No. 6351. Glass.

1¼	1½	1¾	2	2¼ in.
3/-	3/3	3/6	3/9	4/-

Per doz.



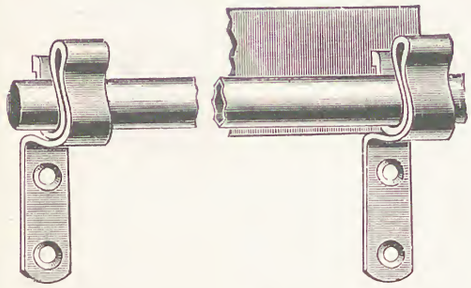
No. 6352. Polished Brass.

2¼×1⅜	2½×1⅝	2¾×2	3¼×2¼ in.
8/-	9/-	10/3	14/-

Per doz.

CURTAIN ROD FITTINGS, TASSEL HOOKS, ETC.

BRASS ROD AND BAND BRACKETS.



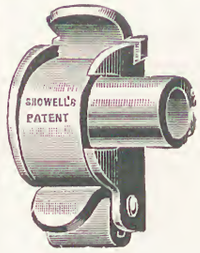
No. 6353. Dipped, **27/6** per gross pairs.
,, **6354.** Polished, **35/-** ,, ,,

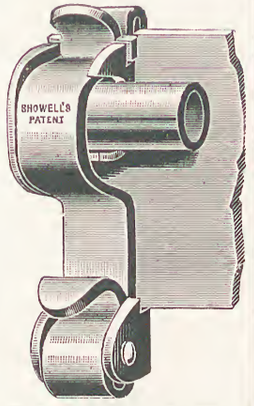
EVERED'S PATENT BRACKET.



No. 6355. ⅜ in., Polished Brass.
For Rods only .. **6/-** per dozen pairs.
No. 6356. For Rods and Bands, **12/3** per dozen pairs.

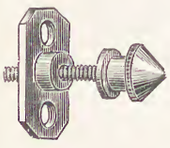
SHOWELL'S PATENT MUSLIN ROD BRACKETS.





Polished Brass.
No. 6357. For ⅜in. Rod, **3/6**
,, **6358.** ditto, and 1½in. Band } **5/-**
per dozen pairs.

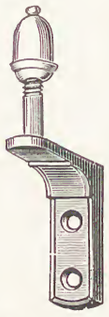
BRASS CURTAIN ROD BRACKETS.



No. 6359.
4/3 per dozen.
Drawn half size.



No. 6360.
Small .. **4/9**
Medium, **6/-**
Large .. **6/6**
per dozen.



No. 6361.
Small .. **3/6**
Medium, **5/-**
Large .. **6/-**
per dozen.

POLISHED BRASS CURTAIN ROD ENDS.



No. 6362.

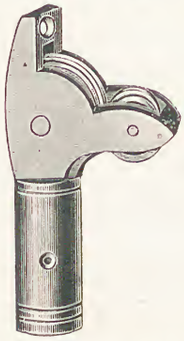


No. 6363,

	Sizes ⅜	½	⅝	¾ ins.
No. 6362.	**1/6**	**2/6**	**3/-**	**3/9**
,, **6363.**	**1/9**	**2/9**	**3/6**	**4/3**

per dozen.

FRENCH ROD PULLEYS.





No. 6364. Polished Brass.

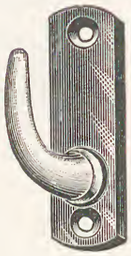
Sizes ½	⅝	¾	⅞	1 in.
17/6	**21/6**	**24/6**	**31/-**	**36/-** per doz.

TASSEL HOOK.



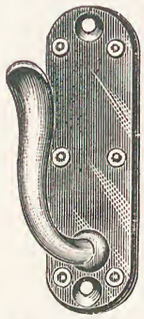
No. 6365.
Polished Brass.
4/6 per doz.
Drawn half size.

TASSEL HOOK.



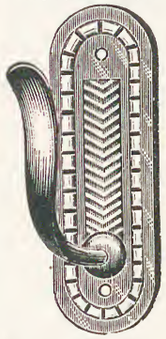
No. 6366.
Polished Brass.
7/6 per doz.
Drawn half size.

TASSEL HOOK.



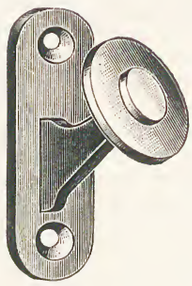
No. 6367.
Polished Brass.
7/- per doz.
Drawn half size.

TASSEL HOOK.



No. 6368.
Polished Brass.
5/9 per doz.
Drawn half size.

YOUNG'S CORD HOLDERS.



No. 7793. Stamped Brass, Polished.
,, 7794. Cast Brass, Polished.

	Sizes 1¾	2	2¼	2½ ins.
No. 7793. Stamped,	**1/6**	**1/9**	**2/3**	**2/9**
,, **7794.** Cast ..	**4/-**	**4/9**	**5/3**	**6/-**

per dozen.

BRASS CURTAIN RINGS.

Hollow or Solid.



No. 6369.

Sizes.

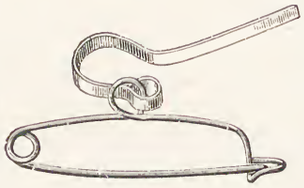
½	⅝	¾	⅞	1	1⅛	1¼	1⅜ in
6d.	8d.	11d.	1/2	1/4	1/7	1/10	2/4

1½	1⅝	1¾	1⅞	2	2¼	2½ in.
3/-	3/8	5/4	6/8	8/-	9/3	12/-

per gross.

Can Supply Extra Strong Rings if Required.

BRASS CURTAIN HOOK.

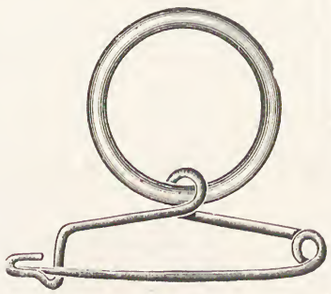


No. 101.

Nos.	101	103	105	107
	1/9	**2/3**	**2/9**	**3/6**

per gross.

BRASS CURTAIN HOOK & RING.

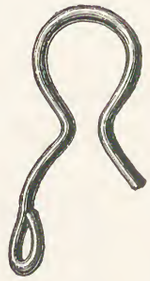


No. 86.

Nos.	85	86	87
	3/-	**3/6**	**4/6**

per gross.

BRASS CURTAIN HOOK.

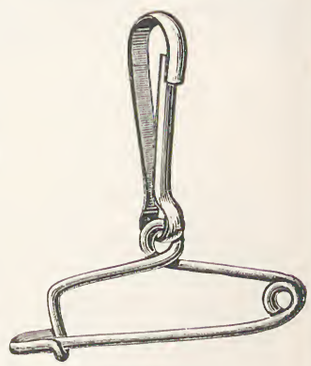


No. 84.

Nos.	83	84	76
	1/9	**2/3**	**3/3**

per gross.

BRASS CURTAIN HOOK.

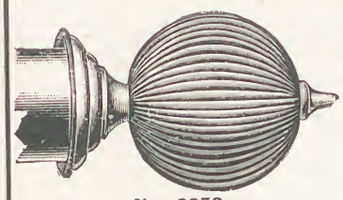


No. 104.

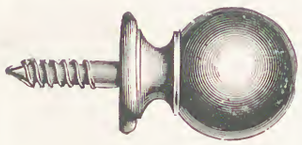
Nos.	102	104
	3/-	**3/6** per gross.

POLISHED BRASS PICTURE ROD FITTINGS, &c.

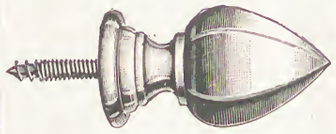
PICTURE ROD ENDS BRACKETS, HOOKS, &c.



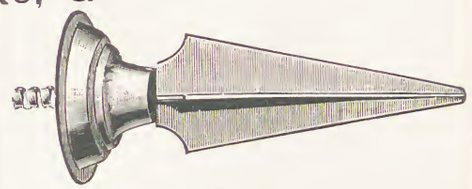
No. 6370.
Sizes ⅝ ¾ ⅞ 1 in.
3/6 4/6 5/6 7/- per doz.



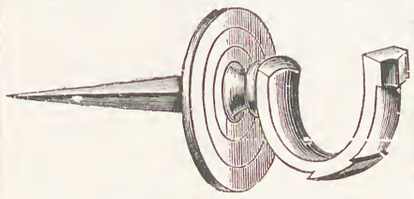
No. 6371.
Sizes ⅝ ¾ ⅞ 1 in.
3/- 4/- 5/9 8/6 per doz.



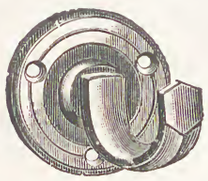
No. 6372.
Sizes ⅝ ¾ ⅞ 1 in.
4/6 5/6 7/- 8/6 per doz.



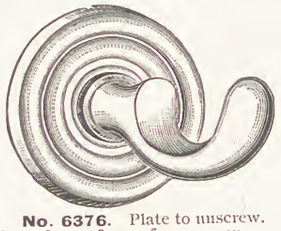
No. 6373.
Sizes ¾ ⅞ 1 1¼ in.
5/6 6/6 7/6 9/- per doz.



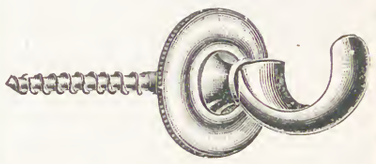
No. 6374. To Drive.
Sizes ⅝ ¾ ⅞ 1 in.
3/6 4/- 4/6 5/3 per doz.



No. 6375. Plate to screw on.
Sizes ⅝ ¾ ⅞ 1 in.
4/- 5/- 6/3 7/6 per doz.



No. 6376. Plate to unscrew.
Sizes ⅝ ¾ ⅞ 1 in.
4/- 5/- 6/3 7/6 per doz.



No. 6377. To screw in.
Sizes ⅝ ¾ ⅞ 1 in.
7/- 7/9 9/3 11/6 per doz.

For Wall Plugs see page 306.

STAMPED BRASS.



No. 6378. Rod Hook.
⅝ ¾ ⅞ 1 in.
1/6 1/9 2/- 2/3 per doz.

CAST BRASS.



No. 6379. Rod Hook.
⅝ ¾ ⅞ 1 in.
3/- 3/6 4/- 4/6 per doz.

CAST BRASS.



No. 6380. Rod Hook.
⅝ ¾ ⅞ 1 in.
2/- 2/3 2/9 3/3 per doz.

STAMPED BRASS.



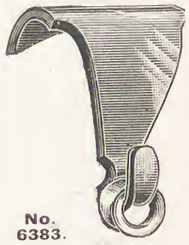
No. 6381. Moulding Hook.
Medium, 1/8 Large, 2/3 per doz.

CAST BRASS.



No. 6382. Moulding Hook.
2/9 per doz.

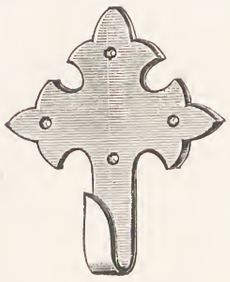
STAMPED BRASS.



No. 6383.
Moulding Hook. 2/3 per doz.
Drawn ⅜rds. full size.

For Picture Moulding, see page 441.

WALL PICTURE HOOKS.



No. 6384.

Sizes		
Small	...	6/- per gross.
Medium	...	6/6 ,,
Large	...	8/- ,,

These are done up in boxes of 1 dozen each, and pins for fixing are included.

BRASS PICTURE RING.



No. 6385.

Sizes					
⅜	½	⅝	¾	⅞	1 in.
4/3	5/3	6/-	7/6	9/-	12/6 per gross.

BRASS PICTURE RING AND PLATE.

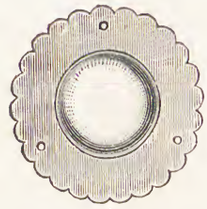


No. 6386.

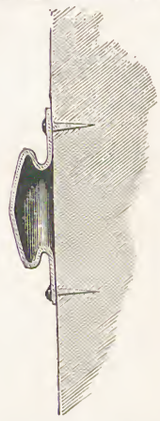
Sizes				
¾	⅞	1	1¼	1½ in.
10/6	12/6	16/-	20/9	24/- per gross.

PATENT WALL BOSS

Prices include pins.



No. 6387. Polished.
1½ in. 14/6 per gross.
2 in. 18/- ,,



By using this Suspender, the labour of hanging or altering position of pictures is reduced to a minimum, without damage to wall papers or plaster. Drive the three pins gently into the plaster, and it will sustain a weight of upwards of 56 lb.

BRASS PICTURE CHAIN.



Nos.			
6388.	6389.	6390.	6391.
5/-	5/6	6/3	8/- doz. yds.

PICTURE HOOK TO SCREW ON.



No. 6392.
Cast Brass, 3/6 per doz.

PATENT BRASS LINE PROTECTOR.



No. 6393.

Nos.	1	2	3	4	5
To carry	60	80	100	150	200 lb.
	1/4	1/9	2/-	3/6	5/3 doz.

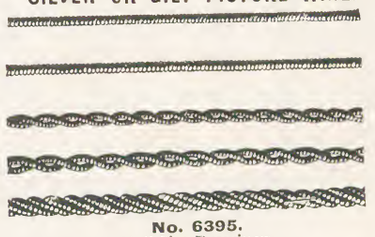
BRASS ADJUSTING FASTENERS FOR PICTURE WIRE.



No. 6394.

No.	5	7	9	10	11
	2/6	4/-	6/6	10/3	17/- gross box.

SILVER OR GILT PICTURE WIRE.



No. 6395.
Full Size Drawings.

No.	5	6	7	8	9	10	11	
Breaking Strain	45	70	80	125	200	370	709	lb.
Working Load	20	30	40	60	80	150	300	,,
Hookham's Pat. Gilt or Silver.	3/6	5/-	8/6	12/-	20/-	35/-	60/-	per 100 ft.

No. 6396. CHEAP GILT PICTURE WIRE.

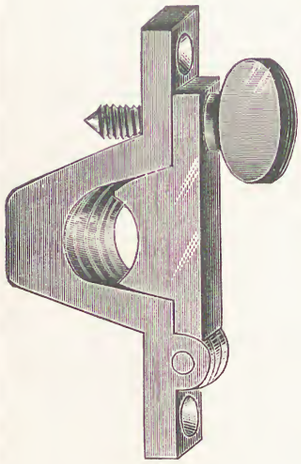
No.	1	2	3	4	
Working Load in lbs.	...	10	20	30	50 lb.
Per 100 ft. coil	...	1/3	2/-	3/6	8/-

"ECLIPSE" PLAITED PICTURE CORD WIRE CENTRE.

No. 6397.

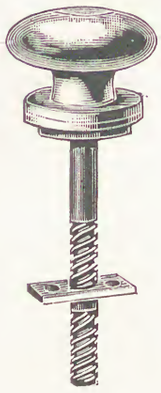
Sizes	1	2	3	4	5	6	
Breaking Stram	64	72	114	165	210	272	lbs.
	8/9	10/3	14/3	19/6	26/-	32/-	grs. yds.

GLASS MOVEMENTS AND SCREWS.



No. 6398.
Polished Brass .. **22/9**
Drawn full size.

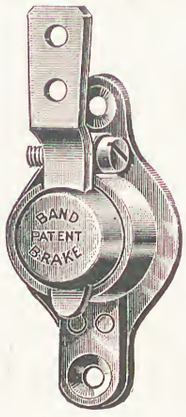
No. 6399.
Ditto. Larger .. **29/6**
Per dozen pairs.



Imitation Mahogany, Walnut and Birch.

No 6400.

1¼ 1½ in.
1/9 2/- per dozen.



No. 6401.

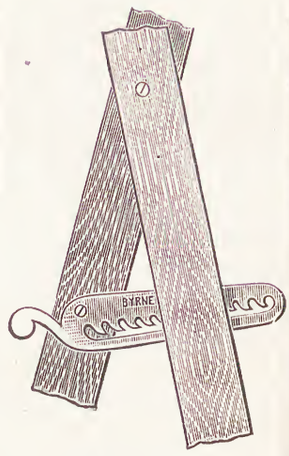
Polished Brass .. **6/6**

Per dozen pairs.

Drawn full size.



No. 6402.
Polished Brass.
5/6 per dozen.
Drawn full size.



No. 6403.
Brass Looking Glass Adjuster,
3/6 per dozen.
Screws included.
In one dozen lots only.
Drawn half size.

SCREW SOCKETS.



No. 6404. Machine made.

For Nos.—

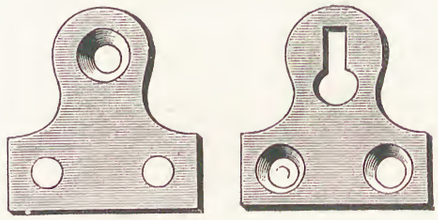
4	5	6	7	8	9	10	11	12	14	16
1/1	1/3	1/4	1/6	1/8	1/9	2/-	2/2	2/5	3/3	—

No. 6405. Cast.

1/6 1/9 1/11 2/3 2/7 3/2 3/8 3/10 4/- 6/3 8/6

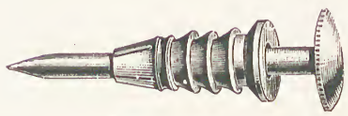
Per gross.

POLISHED BRASS GLASS PLATES.



	Sizes	¾	1	1⅛	1¼	1⅜	1½ in.	
No. 6406.	Machine made,	**2/9**	**3/6**	**5/6**	**6/9**	**8/9**	**13/6**	gross.
No. 6407.	Cast Brass ..	—	**6/9**	**8/-**	**9/-**	**13/6**	**17/6**	„
No. 6408.	Machine made Slot Plate ...	—	**4/-**	**6/-**	**7/6**	**10/6**	**15/6**	„

CARPET PIN AND SOCKET.



No. 6409.

2 in. Polished Brass.

25/- per gross.

BRASS CHAIR NAILS.



No. 6410. **No. 6411.**

No.	6410.	6411.	6412.	6413.	6414.
	7/9	**6/6**	**5/6**	**4/6**	**4/3** per 1000.

FANCY BRASS NAILS.



	No. 6415.	**No. 6416.**	**No. 6417.**	**No. 6418.**
⅜ in.	—	—	**1/9**	**1/9** gross.
½ „	**1/9**	**2/-**	**2/-**	**2/3** „
⅝ „	**3/-**	**2/9**	**2/6**	**2/9** „

BRASS DRUGGET PINS.



Section showing how all these Drugget Pins are Rivetted with solid shoulder back and front of head.



No. 6419. Best Steel Spikes.

Sizes, ½ ⅝ ¾ ⅞ 1 in.
3/3 3/6 4/- 8/- 10/3 per gross.

BRASS WIRE "S" HOOKS.



Sizes.	Per gross.
¾ in.	**1/3**
⅞ „	**1/9**
1 „	**2/6**
1⅛ „	**2/9**
1¼ „	**4/6**
1½ „	**5/9**
1¾ „	**7/9**
2 „	**10/9**

No. 6420.

SCREW EYES.

No. 6421.

Sizes, ¾×4 1×6 1×8 1¼×9 1¼×10 1½×10 gauge.
Iron **1/3 1/9 2/3 3/- 3/3 3/9** per gross.
Brass **2/- 3/6 5/3 7/6 8/9 10/-** „

Sizes, 1½×12 1¾×13 2×14 2½×16 3×18 4×20 gauge.
Iron **4/3 5/3 7/- 11/- 16/- 25/-** per gross.
Brass **13/6 17/6 22/3 32/6 45/- 75/-** „



CONNECTING LINKS.

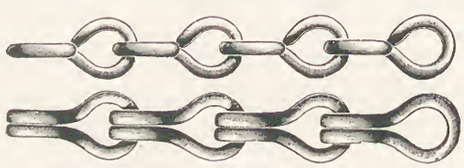
Japanned
2/6

Brass
7/3
Per gross.



No. 6422.
Drawn full size.

IRON AND BRASS JACK CHAIN.



No	W.G	20	18	17	16	15	14	13	12	11	10	9	8
6423.	Iron, single,	8d.	8d.	8½d.	9d	10d.	1/-	1/2	1/3	1/5	1/6	1/8	2/-
6424.	„ double,	10d.	10½d.	11d.	1/1	1/2	1/3	1/6	1/8	1/11	2/4	2/9	3/-
6425.	Brass, single,	1/2	1/6	1/10	2/1	2/6	3/-	3/9	4/10	6/3	8/-	9/9	12/-
6426.	„ double,	1/6	2/3	2/6	3/2	4/-	5/-	7/-	8/9	10/6	12/6	17/-	19/3

Per dozen yards.

BRASS CHANDELIER CHAIN.



Small.	Medium.	Large.
No. 6427.	**No. 6428.**	**No. 6429.**
5/6	**6/3**	**8/-** per dozen yards.

BRASS DRESSER HOOK



No. 6430

½ in.	3/-
⅝ ,,	3/6
¾ ,,	3/9
1 ,,	4/6
1¼ ,,	6/3
1½ ,,	8/6
1¾ ,,	10/9
2 ,,	14/9

per gross.

PATENT BRASS CUP HOOKS.



No. 6431.

½ in	4/-
⅝ ,,	4/6
¾ ,,	5/-
1 ,,	6/9
1⅛ ,,	7/6
1¼ ,,	9/3
1⅜ ,,	10/9
1½ ,,	12/9

per gross.

SCREW HOOK.

Nettlefold's. Bright Iron.



No. 6432.

Sizes.

¾in.×3G. **1/-**
1in.×5G. **1/6**
1¼in.×7G. **2/3**
1½in.×9G. **3/3**
1¾in×11G. **4/3**
2in.×12G. **5/6**

per gross.

TINNED ROD HOOKS.

No. 6433.



2½ in.	5/-
3 ,,	6/-
3½ ,,	7/-
4 ,,	8/-

per gross.

CAST BRASS ROD HOOKS.

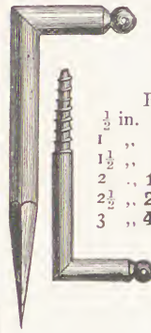


No. 6434.

¾ in.	9/-
1 ,,	11/6
1¼ ,,	17/-
1½ ,,	20/-
1¾ ,,	23/-
2 ,,	26/-

per gross.

FRENCH WIRE HOOKS



No. 6435.

	Brass	Iron.
½ in.	3/9	1/3
1 ,,	5/6	1/6
1½ ,,	7/9	2/-
2 ,,	14/6	3/9
2½ ,,	21/6	5/-
3 ,,	40/-	7/9

per gross.

To screw or drive.

GUN HOOK.



No. 6436.

Sizes	3	4	5 ins.
Malleable	2/6	3/6	5/-
Brass ..	5/3	8/-	12/-

per dozen.

LINE HOOK.

No. 6437.



To drive or screw.

Sizes	2	2½	3	3½	4	5	6 ins.
Black	3/-	3/6	4/-	4/9	5/6	6/6	8/-
Tinned	4/-	4/6	5/-	5/6	6/6	7/6	9/-

per gross.

SHADE OR BIRD CAGE HOOKS.



No. 6438.

Sizes	6	8	10	12 ins.	
Berlin Black ..	8/-	8/6	10/6	12/6	per doz.
Copper Bronzed	8/6	9/6	11/6	13/6	,,

	8	9½ ins.	
No. 6439.—Polished Brass Bird Cage Hook ..	16/-	18/6	,,

LADDER HOOKS.

To fix on front.



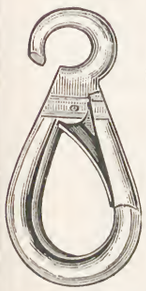
For fixing on the side.

No. 6440. No. 6441.

Full length 5 ins. Japanned.

Either Pattern **6/-** per doz. pairs.

SPRING HOOK.



No. 6442.
Tinned.

Sizes up to	
2½ in.	5/-
3 ,,	5/3
3½ ,,	6/6
4 ,,	9/-
4½ ,,	12/6

per dozen.

SISTER HOOK.



No. 6443.

5½ in. Berlin Black **1/-**

5½ in. Galvanized **1/3**

each.

SWING HOOK.



Malleable Iron.

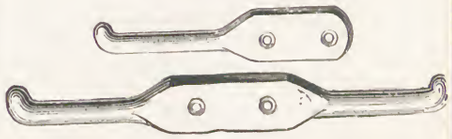
No. 6444.

Japanned.

Full length, 7 in.

With Wood Screw, **6/6** per doz.
With Nuts, **7/-** per doz.

BEAM HOOKS.



No. 6445.

5½ in. Berlin Black .. **4/-** per dozen.
Galvanized .. **4/9** ,,

No. 6446.

10 in. Berlin Black .. **5/6** per dozen.
Galvanized .. **6/6** ,,

BRASS CEILING HOOK.

Polished.

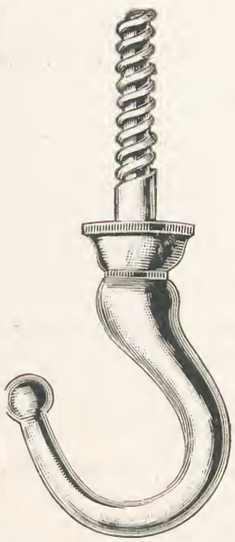


No. 6447.—Patent.

Sizes of Hooks		
1 inch	12/-	per gross.
1¼ ,,	17/-	,,
1¾ ,,	28/3	,,
2¼ ,,	40/6	,,
2½ ,,	54/-	,,

BRASS LAMP HOOK.

Polished.



No. 6448.

Extra Strong.

2 inch	4/9	per doz.
2¼ ,,	6/6	,,
2½ ,,	7/6	,,
2¾ ,,	10/-	,,
3 ,,	12/6	,,
3½ ,,	18/-	,,

BRASS LAMP HOOK.

Polished.



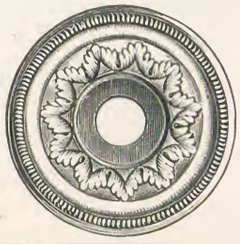
No. 6449.—For Gas Barrel.

Sizes	⅛	¼	⅜	½ inch
Male..	9/-	11/-	14/-	15/6
Female	8/6	10/6	13/-	14/-

per dozen.

BRASS CEILING ROSE.

Polished.



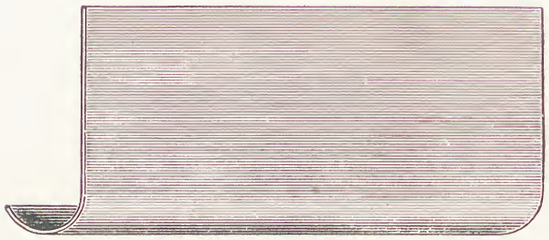
No. 6450.

Sizes	2	2½	3	3½ ins.
	2/-	2/6	4/-	6/-
Sizes	4	4½	5	6 ins
	7/-	8/-	10/-	12/-

per dozen.

STAIR NOSINGS AND TREADS.

BRASS STAIR NOSING.



No. 6451.—Plain.

1 in. Nosing.			1½ in. Nosing.				2 in. Nosing.				
	2	2½	3 ins.	2	2½	3	3½	4 ins.	2	2½	3	3½	4 ins.
Polished ..	**2/-**	**2/6**	**3/-**	**2/6**	**3/-**	**3/3**	**3/6**	**4/-**	**3/-**	**3/6**	**4/-**	**4/3**	**4/6** per foot.

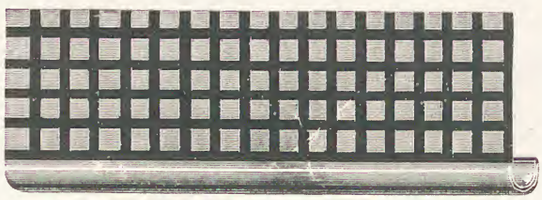
BRASS CHEQUERED STAIR NOSING.



No. 6452. Diamond Pattern.

Widths,	2½	3	3½	4	5	6	7	8	9	0	12 ins.
	1/9	**2/3**	**2/9**	**3/-**	**3/9**	**4/6**	**5/3**	**6/-**	**6/9**	**7/3**	**9/-** per foot.

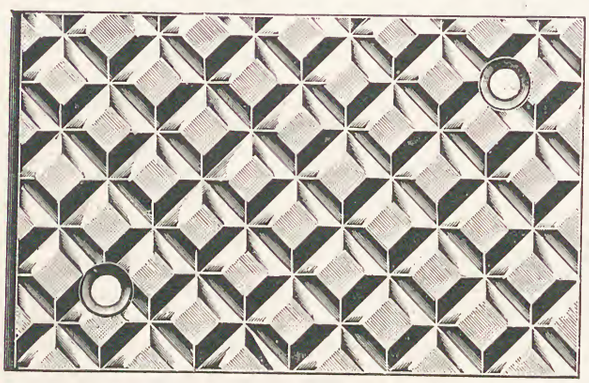
BRASS CHEQUERED STAIR NOSING.



No. 6453. Square Pattern.

Widths,	2½	3	3½	4	5	6	7	8	9	10	12 ins.
	3/-	**3/6**	**4/3**	**4/9**	**6/-**	**7/-**	**8/3**	**9/6**	**10/9**	**12/-**	**14/3** per ft.

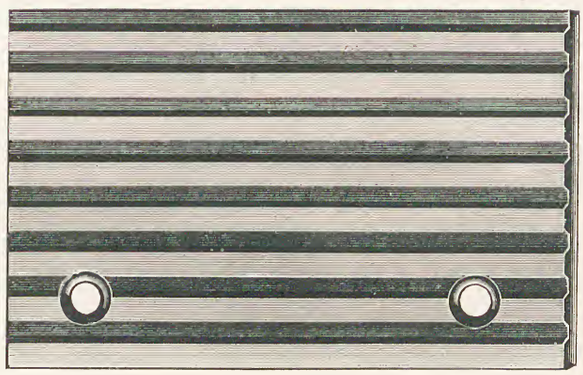
BRASS CHEQUERED STAIR TREAD



No. 6454. Diamond Pattern.

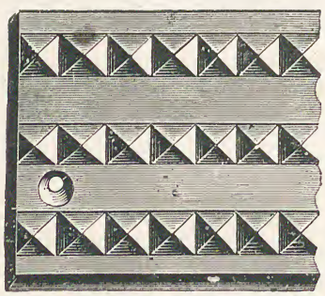
Widths,	2½	3	4	6	8	12 ins.
	3/-	**3/6**	**4/9**	**7/-**	**9/6**	**14/3** per foot.

BRASS REEDED STAIR TREAD.



No. 6455. Reeded Pattern.

Widths.	2½	3	4	6	8	12 ins.
	2/3	**2/9**	**3/6**	**5/6**	**7/3**	**10/9** per foot.



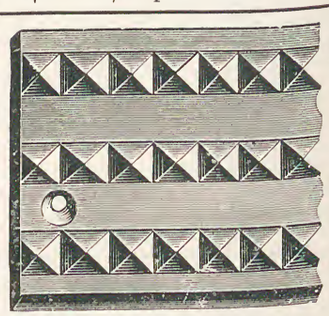
ROLLED IRON STEP PROTECTOR.

No. 6456.

1½ inches wide. **5d.** per foot.

Will Weld or Bend to any required shape. Can be made any length up to 30 feet.

1d. per foot extra charged for cutting to special lengths.





MALLEABLE IRON STAIR NOSING.

No. 6457.

2¾ inches wide ×	12	15	18	21	24	27	30 ins.
Price	**1/3**	**1/6**	**2/-**	**2/6**	**3/-**	**3/6**	**4/-** each.

MASON'S PATENT UNWEARABLE STAIR TREADS.

PATENT No. 16852.



Lines thus ▒▒▒ represent Lead—other parts Chilled Steel, Brass, or other Hardened Metals

No. 6458. BRASS.

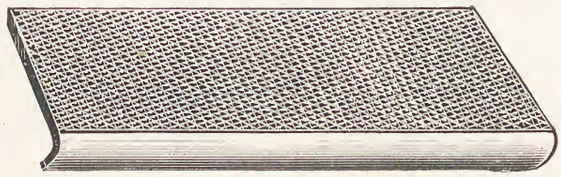
Nosing, $3\frac{1}{2}$ ins. wide	**6/9** per foot run.
Nosing, $3\frac{1}{2}$ ins. wide with deep Nosing 1 in.	**8/9** ,,
Filling Strips, 2 ins. wide	**4/-** ,,
Carpet Edging, $1\frac{1}{2}$ in.	**4/-** ,,

No 6459 STEEL.

Tread, $5\frac{1}{2}$ ins. wide..	**3/9** per foot run.
Nosing, $3\frac{1}{2}$ ins. wide	**2/3** ,,
Filling Strip, 4 ins. wide	**2/6** ,,
Filling Strip, 2 ins. wide	**1/3** ,,
Filling Strip, $1\frac{1}{2}$ in. wide	**1/-** ,,
"Bus" Nosing, $1\frac{1}{2}$ in. wide	**1/2** ,,

Galvanizing **4d.** per foot extra, except in $5\frac{1}{2}$ in. which is **9d.** extra.
Irons for fixing to stone steps **9d.** each extra.

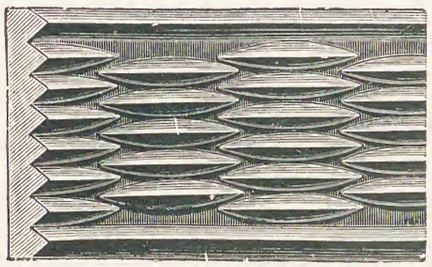
CAST IRON TREAD AND NOSING.



No. 6460.

Lengths	24	27	30	33	36 ins. × $2\frac{1}{2}$ or 3 ins. wide.
Prices	**1/3**	**1/6**	**2/-**	**2/3**	**3/-** each.
Lengths	24	27	30	33	36 ins. × $3\frac{1}{2}$ or 4 ins. wide.
Prices	**1/6**	**2/-**	**2/3**	**2/6**	**3/3** each.

WROUGHT STEEL TREAD AND NOSING.



No. 6461. TREAD.

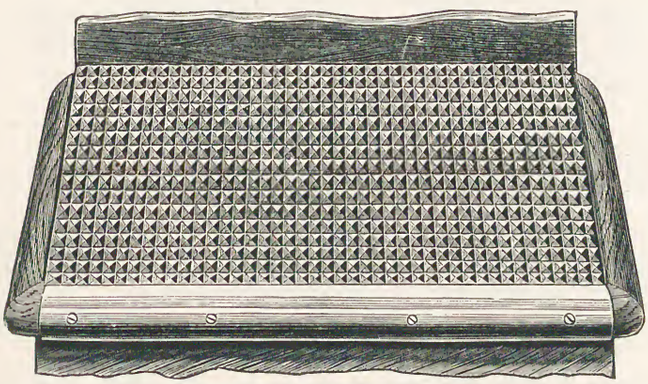
Sizes	$1\frac{3}{8}$	$1\frac{3}{4}$	$2\frac{1}{8}$ ins.
	7d.	**8d.**	**9d.** per ft.

No. 6462. NOSING.

Sizes	$2\frac{3}{8}$	$3\frac{1}{8}$ ins.
	1/3	**1/6** per ft.

1d. per foot extra charged for cutting to special lengths.

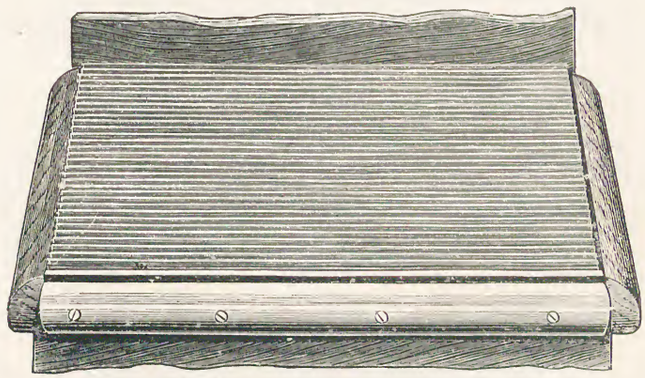
INDIA RUBBER STAIR TREADS.



No. 6463. GREY PYRAMID.

Average weight per square foot of $\frac{3}{16}$ in. is 1 lb. 4 oz.
No. 1 QUALITY at **2/9** per lb.

Average weight per square foot of $\frac{1}{4}$ in. is 1 lb. 12 oz.
No. 2 QUALITY at **2/3** per lb.



No. 6464. GREY CORRUGATED.

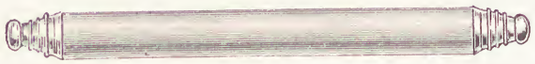
Average weight per square foot of $\frac{3}{16}$ in. is 1 lb. 8 oz.
No. 1 QUALITY at **2/9** per lb.

Average weight per square foot of $\frac{1}{4}$ in. is 2 lb. 0 oz.
No. 2 QUALITY at **2/3** per lb.

For Brass Nosing see previous page (435).

POLISHED BRASS STAIR RODS AND EYES.

ORDINARY SOLID, TURNED ENDS.



No. 6465.

Sizes ..	18	20	22	24	26	28	30	36	inch.
No. 4 W.G.	1/9	1/10	2/-	2/3	2/4	2/6	2/8	3/3	per doz.
,, 2 W.G.	2/1	2/3	2/4	2/6	2/9	3/-	3/3	3/9	,,
,, 5/16 inch.	2/9	3/-	3/3	3/6	3/8	4/-	4/3	5/-	,,
,, 3/8 inch.	—	3/9	4/3	4/6	5/-	5/3	5/8	6/9	,,

BEST SOLID, SCREWED ACORN ENDS.



No. 6466.

Sizes ..	24	26	28	30	36	38	40	inch.
5/16 inch.	5/3	5/9	6/3	6/6	7/9	8/3	8/9	per doz.
3/8 ,,	7/-	7/9	8/3	8/9	10/-	10/9	11/6	,,
7/16 ,,	8/9	9/6	10/3	11/3	12/9	13/6	14/3	,,
1/2 ,,	11/9	12/9	13/9	14/9	17/3	18/6	19/6	,,

No. 6467. Ball Ends. Same prices.

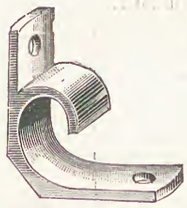
STAIR ROD EYES.



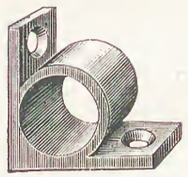
No. 6468.
Brass with Iron Screw.
Sizes 1/4 5/16 3/8 7/16 inch.
5/3 7/9 12/9 16/6 per gross.



No. 6469.
Sizes 1/4 5/16 3/8 1/2 inch.
4/9 6/9 8/- 12/9 per gross.



No. 6470.
Sizes 3/8 1/2 5/8 3/4 inch.
23/- 31/- 46/- 58/- per gross.



No. 6471.
Sizes 1/4 5/16 3/8 1/2 inch.
7/3 9/6 11/6 15/3 per gross.



No. 6472.
For Stone.
Sizes 3/8 1/2 5/8 3/4 inch.
16/- 21/3 26/6 33/3 per gross.

POLISHED BRASS STAIR RODS COMPLETE WITH EYES.



No. 6473. Cased Tube.

Length ..	26	28	30	32	34	36	inch.
Diameter 1/2 inch.	25/9	27/6	29/6	31/-	32/3	34/3	per doz. with Eyes.

No. 6474. Solid Cased.

Length ..	24	26	28	30	32	34	36	inch.
Diameter 3/8 inch	11/-	11/6	12/9	13/3	14/-	14/9	15/3	per doz. with Eyes.
,, 1/2 ,,	18/3	19/9	20/9	22/-	23/3	24/9	26/-	,, ,,



No. 6475. All Brass Rod.

Length ..	24	26	27	28	30	32	inch.
Width 3/4 inch.	27/3	28/9	29/3	30/9	32/-	33/3	per doz. with Eyes.



No. 6476. All Brass Rod.

Length ..	26	28	30	32	34	36	inch.
Width 3/4 inch.	36/-	38/9	41/3	44/-	46/9	49/3	per doz. with Eyes.
,, 7/8 ,,	41/3	44/-	46/9	49/3	52/-	54/9	,, ,,
,, 1 ,,	49/3	52/-	54/3	57/3	60/-	63/-	,, ,,



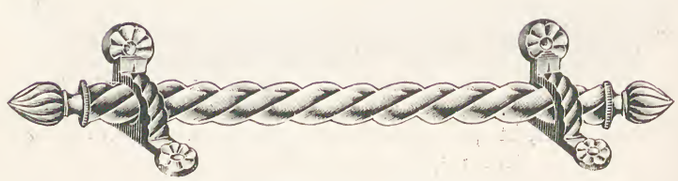
No. 6477. All Brass Rod.

Length ..	26	28	30	32	34	36	inch.
Width 3/4 inch.	38/-	40/9	43/3	46/-	48/9	51/6	per doz. with Eyes.
,, 7/8 ,,	43/3	46/-	48/9	51/3	54/6	56/9	,, ,,
,, 1 ,,	48/9	51/3	54/6	55/9	59/3	62/-	,, ,,



No. 6478. All Brass Rod.

Length ..	24	26	27	28	30	32	inch.
Width 3/4 inch.	35/3	37/-	37/9	38/3	39/-	40/9	per doz. with Eyes.



No. 6479. All Brass Rod.

Length ..	26	28	30	32	34	36	inch.
Diameter 1/2 inch.	46/3	49/-	51/9	54/3	57/-	59/9	per doz. with Eyes.

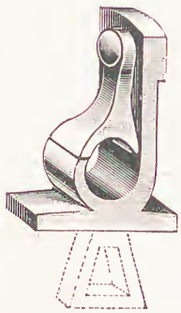
POLISHED BRASS STAIR ROD EYES.



No. 6480.

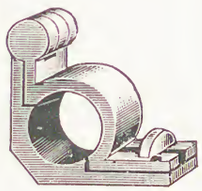
⅜ ½ ⅝ ¾ ⅞ in.

5/3 5/9 8/3 10/3 12/3 per doz.



No. 6481. To Bat in Stone

½ in. .. **11/3** per doz.

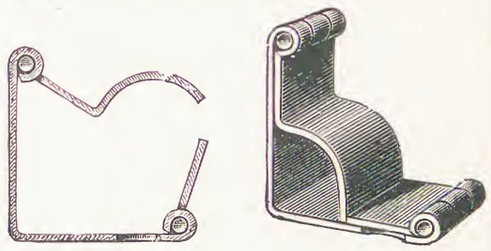


No. 6482.

Sizes ½ ⅝ in.

11/6 12/9

per doz.



No. 6483.

Walker's Patent "Releasable" Eye.

	For No. 4 & 3 Gauge.	2 & 1 Gauge.	0 & ⅜ Gauge.	½ in. Rods
No. 6483. Dipped,	**15/3**	**19/3**	**23/3**	**33/3**
,, **6484.** Polished,	**21/3**	**24/-**	**28/9**	**40/9**

per gross.

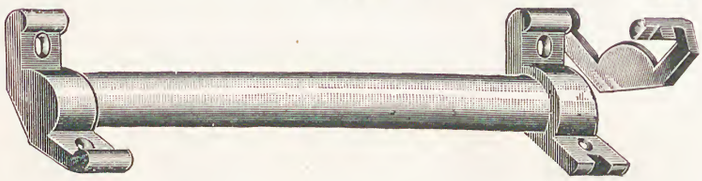


BRASS CARPET AND OIL CLOTH CLIP.

No. 6485. Polished.

Sizes 1	1¼	1½	1¾	2	2¼ ins.
9d.	**10**d.	**1/-**	**1/3**	**1/6**	**1/9** per foot.

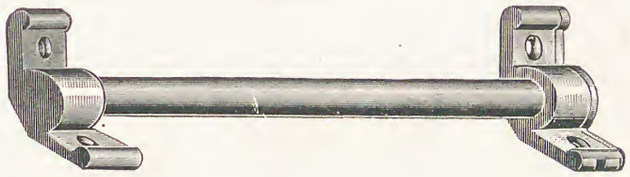
BEST FINISHED POLISHED BRASS STAIR RODS WITH PATENT LIFT UP EYES.



Showing action of the patent.

No. 6486. ¾ in. Half-round Solid Cased, with Eyes.

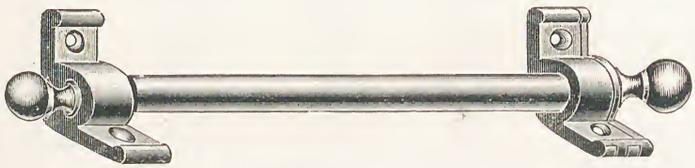
24	25	26	27	28	30	31	32 ins.
30/6	**31/-**	**31/9**	**32/3**	**33/-**	**33/6**	**34/9**	**35/-** per doz.



No. 6487. ½ in. Cased Tube Round Stair Rod, with Eyes.

Length—

24	25	26	27	28	30	31	32 ins.
33/3	**34/6**	**34/9**	**35/6**	**36/-**	**37/3**	**38/3**	**39/-** per doz.



No. 6488. (End ¾ in.)

½ in. Cased Tube Round Stair Rod, with Eyes and Ends.

24	25	26	27	28	30	31	32 ins.
38/-	**38/9**	**39/6**	**40/3**	**41/-**	**42/3**	**43/-**	**43/9** per doz.



End 1½ in. End 1½ in.

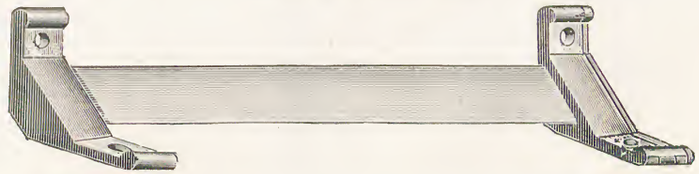
No. 6489. ¾ in. Solid Cased Half-round Rod, with Eyes.

24	25	26	27	28	30	31	32 in.
42/-	**42/9**	**43/-**	**43/9**	**44/-**	**45/3**	**45/9**	**46/6** per doz.



No. 6490. (End 1¼ in.) All Brass ¾ in. Angle Rod, with Eyes.

24	25	26	27	28	30	31	32 ins.
54/-	**54/6**	**55/3**	**56/9**	**58/-**	**61/-**	**62/3**	**63/9** per doz.



No. 6491. 1 in. All Brass Angular Tube, with Eyes.

24	25	26	27	28	30	31	32 ins.
63/-	**65/-**	**67/3**	**69/9**	**71/9**	**77/-**	**79/6**	**82/-** per doz.

No. 6492 1 in. Cased Angular Tube Rod, with Eyes.

24	25	26	27	28	30	31	32 ins.
42/-	**42/9**	**43/6**	**44/-**	**44/9**	**46/3**	**47/-**	**47/6** per doz.

These Patent Stair Eyes materially improve the appearance of the Rods, and allow the Carpet to be very easily removed (by raising the side) without removing the Stair Eye, and possess all the advantages of Hinged Stair Eyes. They also allow for a much wider Carpet being used. They are very simple, effective and cheap. Length of the above are over the Eyes.

WOOD HANDRAILS AND NEWELS.

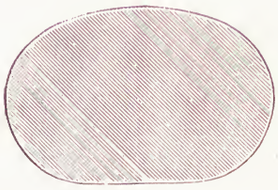
Ramps and Sweeps worked to any Pattern, see next page.



No. **6493.**

Deal	**25/9**
P. Pine	**36/9**
Mahogany	**88/-**
Oak	**88/-**
Walnut	**117/3**

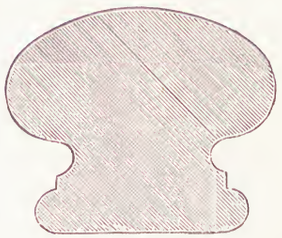
Per 100 ft. run.



No. **6494.**

Deal	**25/9**
P. Pine	**36/9**
Mahogany	**88/-**
Oak	**88/-**
Walnut	**117/3**

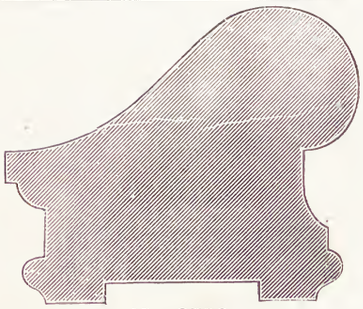
Per 100 ft. run.



No. **6495.**

Deal	**28/9**
P. Pine	**47/6**
Mahogany	**110/-**
Oak	**117/3**
Walnut	**132/-**

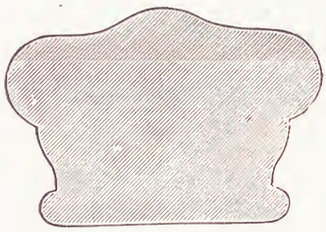
Per 100 ft. run.



No. **6496.**

Deal	**95/-**
P. Pine	**161/-**
Mahogany	**249/-**
Oak	**264/-**
Walnut	**308/-**

Per 100 ft. run.

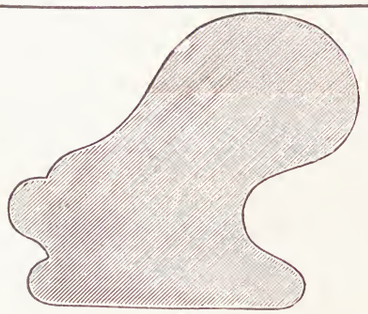


No. **6497.**

Deal	**52/6**
P. Pine	**55/-**
Mahogany	**154/-**
Oak	**161/-**
Walnut	**176/-**

Per 100 ft. run.

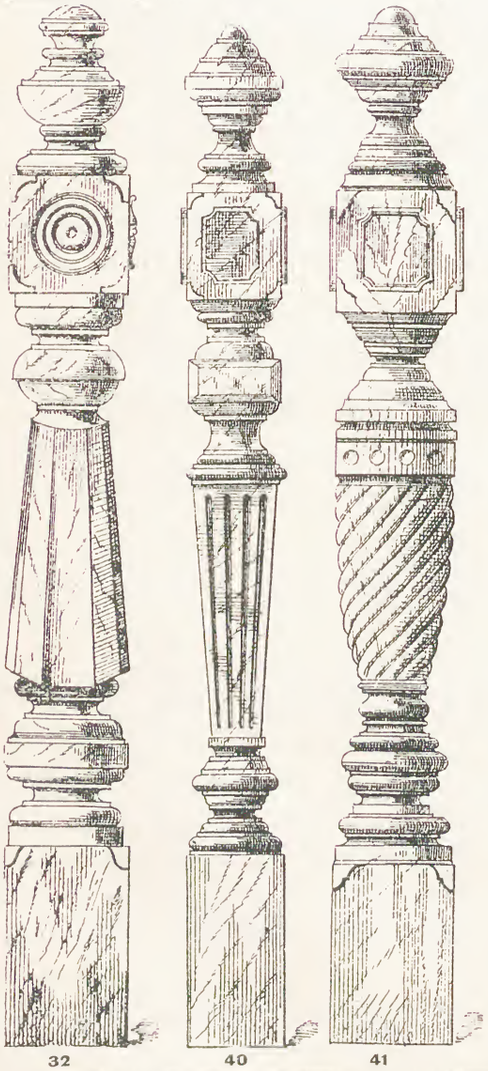
Sections of Handrails are Half Full Size.



No. **6498.**

Deal	**88/-**
P. Pine	**147/-**
Mahogany	**234/-**
Oak	**249/-**
Walnut	**293/-**

Per 100 ft. run.



32 40 41

ROUND, TURNED & CARVED NEWELS.

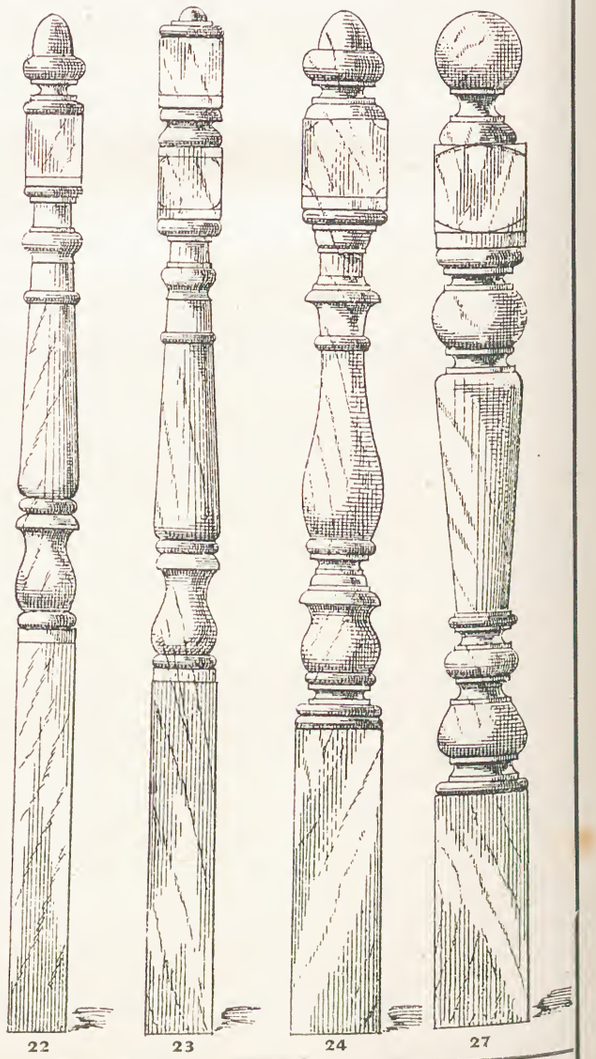
4 ft. 6 ins. long.

Pattern.	Size.	Deal.	P.Pine.	Mahog.	Oak.	Walnut.	
22, 23 and 24	3 ins.	1/3	3/3	4/6	5/3	6/-	ea.
	3½ ,,	2/-	4/-	5/6	6/9	8/-	,,
	4 ,,	2/3	4/6	6/3	8/-	10/3	,,
	4½ ,,	—	6/-	8/9	10/3	13/9	,,
	5 ,,	—	6/3	10/3	11/9	17/-	,,
	6 ,,	—	8/6	14/-	15/6	23/6	,,

Pattern.	Size.	Deal.	P. Pine.	Mahog.	Oak.	Walnut.	
27	4 ins.	3/-	5/3	7/-	8/9	11/-	ea.
	4½ ,,	—	6/9	9/6	11/-	14/9	,,
	5 ,,	—	7/6	11/-	12/3	17/9	,,
	6 ,,	—	9/6	14/9	16/3	24/9	,,

Pattern.	Size.	Deal.	P.Pine.	Mahog.	Oak.	Walnut.	
32 Octagon with 3 Pater Loose	4 ins.	6/3	8/-	10/3	11/9	13/3	ea.
	4½ ,,	—	9/6	12/6	14/3	18/3	,,
	5 ,,	—	12/6	15/3	17/-	22/-	,,
	6 ,,	—	17/-	21/9	23/-	29/3	,,

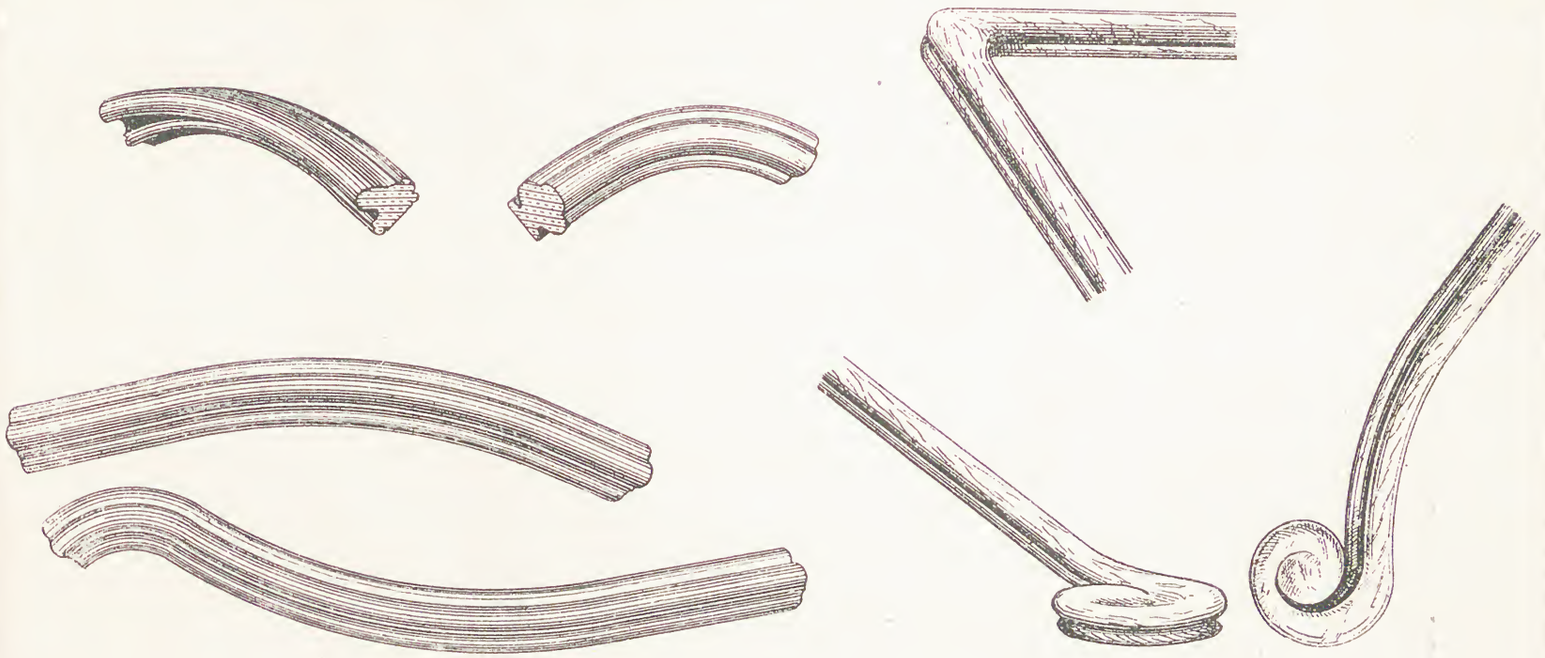
Pattern.	Size.	Deal.	P.Pine.	Mahog.	Oak.	Walnut.	
40 and 41 with 3 Loose Panels	4 ins.	13/3	16/3	19/-	19/9	22/-	ea.
	5 ,,	—	21/3	25/9	27/3	31/-	,,
	6 ,,	—	27/3	32/3	33/9	38/-	,,



22 23 24 27

40 and 41, UPPER THAMES STREET, LONDON, E.C

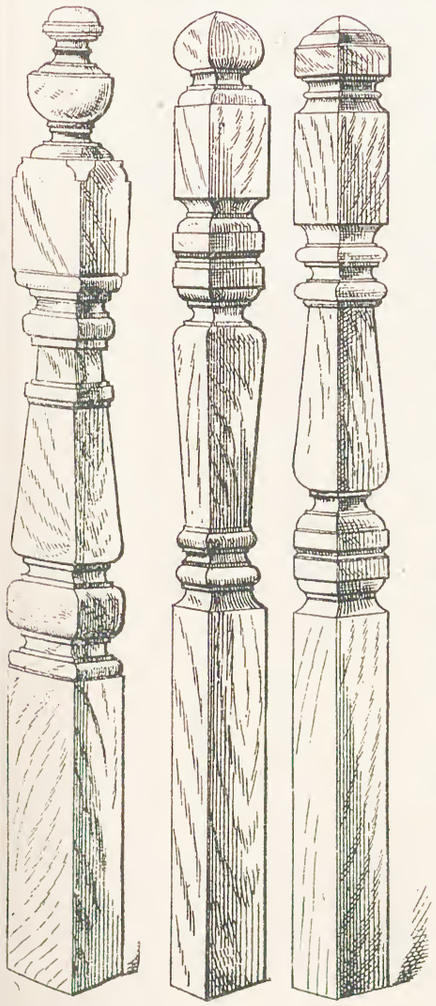
WOOD HANDRAILS AND NEWELS.



Ramps and Sweeps worked to any pattern. For Sections see preceding page.

Other Designs of Rails submitted on application.

SQUARE, TURNED AND CARVED NEWELS.



No. 50.

No. 52.

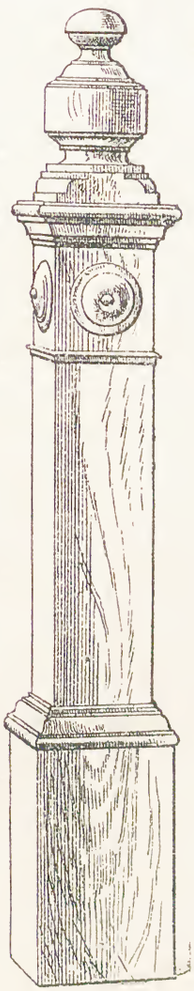
No. 53.

No.		Size	Deal	P.Pine	Mahog.	Oak	Walnut.	
50	Ex.	4 × 4	12/6	14/-	16/3	17/6	19/9	each.
		4½ × 4½	—	17/-	20/6	22/-	25/-	,,
		5 × 5	—	19/9	23/6	25/6	27/9	,,
		6 × 6	—	26/3	32/3	36/9	39/6	,,

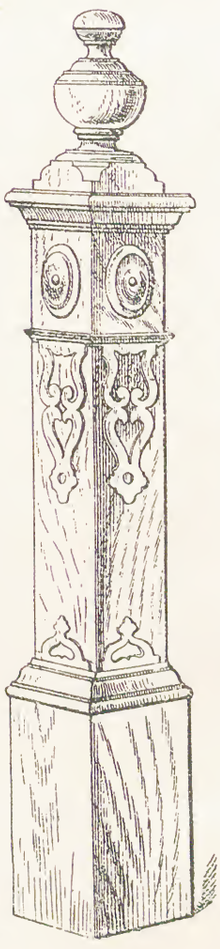
Nos.		Size.	Deal	P.Pine	Mahog.	Oak	Walnut	
52 & 53	Ex.	4 × 4	15/6	18/3	21/-	22/9	24/3	each.
		4½ × 4½	—	21/3	25/6	27/9	29/3	,,
		5 × 5	—	24/3	30/9	33/9	35/3	,,
		6 × 6	—	35/-	41/-	44/-	47/-	,,

Nos.		Size	P.Pine	Mahog.	Oak	Walnut.	Polishing.	
66	Ex.	8 × 8	32/3	44/-	44/-	47/-	8/9	each
		10 × 10	58/9	74/9	74/9	80/6	13/-	,,
67		8 × 8	36/-	48/6	48/6	51/3	8/9	,,
		10 × 10	61/9	79/3	79/3	85/-	13/-	,,

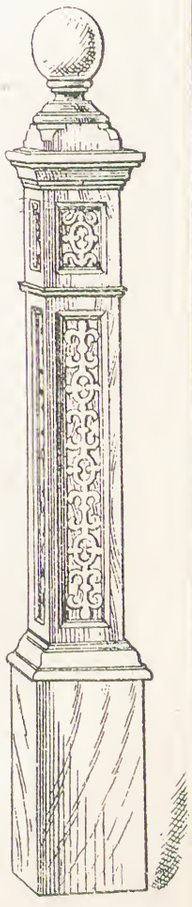
No.		Size	P.Pine	Mahog.	Oak	Walnut.	Polishing.	
71	Ex.	7 × 7	61/6	70/3	70/3	73/3	8/9	each.
		8 × 8	70/3	79/3	79/3	82/6	11/9	,,
		10 × 10	108/-	117/-	117/-	120/-	14/9	,,



No. 66.

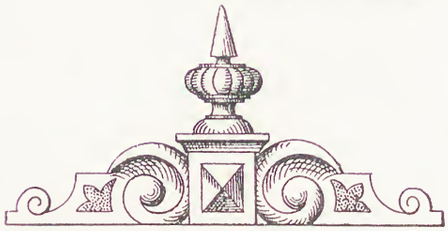


No. 67.



No. 71.

CARVED WOOD OVERDOORS.



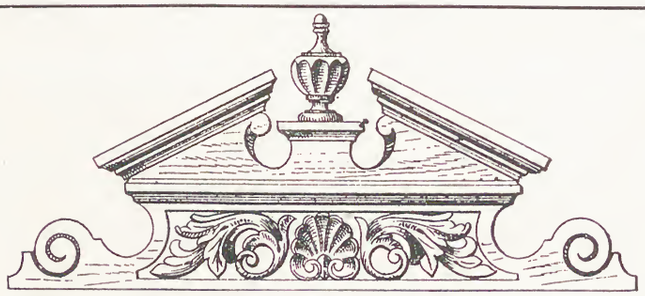
No. 6499. Whitewood. Mahogany, Oak or Walnut.

Sizes ..	30 ins.	42 ins.	48 ins.	30 ins.	42 ins.	48 ins.
	7/3	8/9	11/9	11/-	12/6	17/- each.



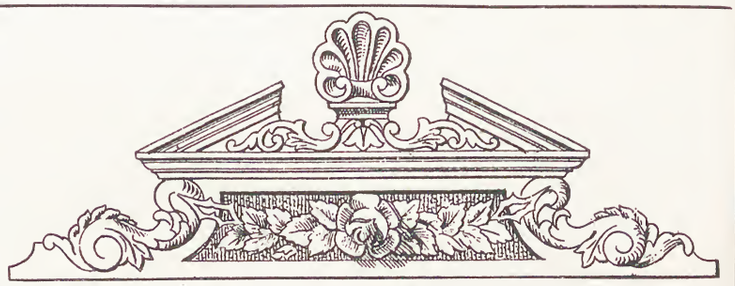
No. 6500. Whitewood. Mahogany, Oak or Walnut.

Sizes ..	30 ins.	42 ins.	48 ins.	30 ins.	42 ins.	48 ins.
	11/-	12/6	15/6	14/9	16/3	19/9 each.



No. 6501. Whitewood. Mahogany, Oak or Walnut.

Sizes ..	30 ins.	42 ins.	48 ins.	30 ins.	42 ins.	48 ins.
	14/-	17/-	19/9	17/6	20/6	24/3 each.

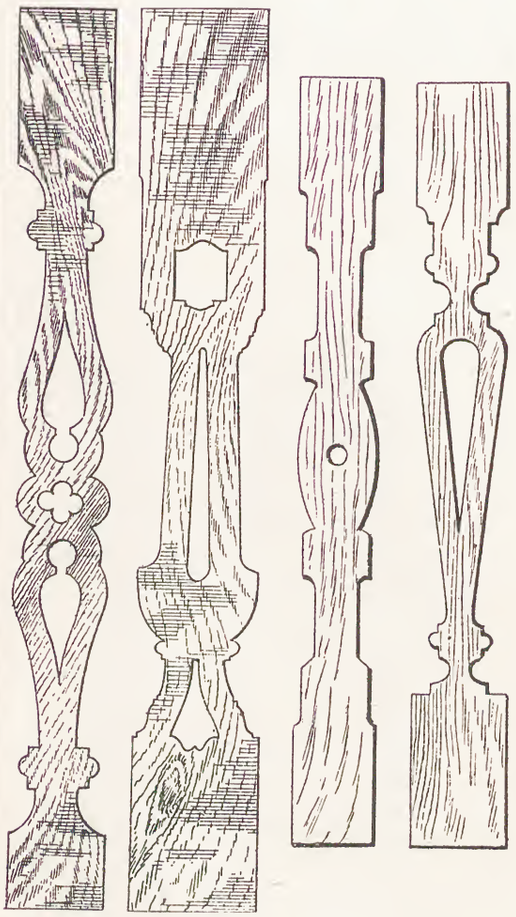


No. 6502. Whitewood. Mahogany, Oak or Walnut.

Sizes ..	30 ins.	42 ins.	48 ins.	30 ins.	42 ins.	48 ins.
	19/9	23/6	26/6	24/3	27/3	31/- each.

FRET-CUT BALUSTERS.

Planed and cleaned ready for fixing.



No. 6. No. 7. No 1. No 2.

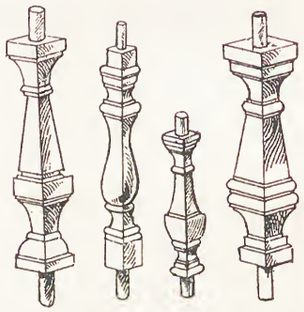
3 ft. long. Prices per dozen.

No.	Finished Size	Deal	P. Pine or W. Wood	Mahog.	Oak	Walnu
6 & 7	3½ × ⅞	20/6	31/-	37/-	38/-	40/-
1	3 × ⅞	11/-	14/9	22/9	23/6	24/3
2	3½ × ⅞	14/9	23/6	29/6	31/-	32/3

SQUARE TURNED SPINDLES.

Mahogany, Oak or Walnut.

Extra charge for small quantities.



No. 6503. 6504. 6505. 6506.

Price per gross.

Length.	¾ in.	⅞ in.	1 in.	1¼ in.
1¼ to 2 in.	17/6	20/6	26/6	29/6
2½ in.	23/6	25/-	32/6	35/-
3 or 3½ in.	26/6	28/-	35/-	38/3
4 to 5 in.	32/6	38/-	44/-	47/-
5½ or 6 in.	40/-	47/-	59/-	65/-
6½ or 7 in.	50/-	54/-	67/6	70/6
7½ or 8 in.	54/-	56/	70/6	73/6
8½ or 9 in.	59/-	62/-	79/6	82/6

PICTURE MOULDING.



English made.

No. 6507

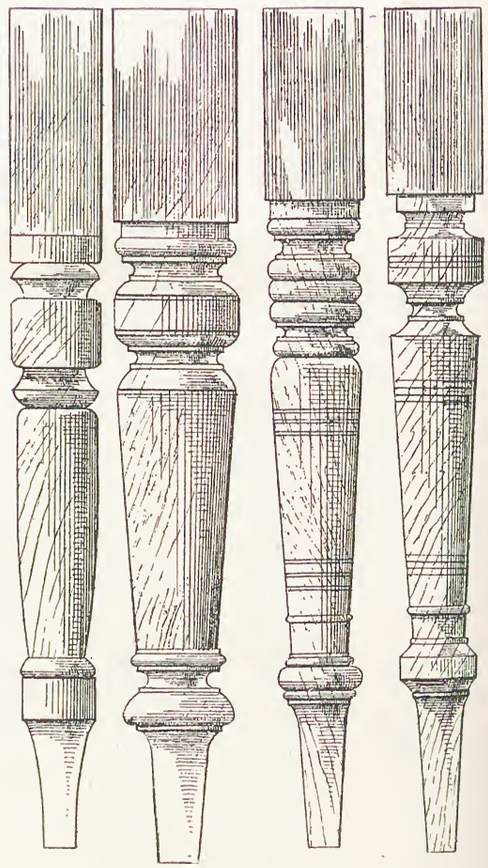
Best Yellow.

For orders of not less than 1,000 ft.	8/6
,, ,, ,, 500 ft.	9/3
,, ,, ,, 100 ft.	10/9

Per 100 ft run.
On Rail at Works.

ROUND TURNED TABLE LEGS.

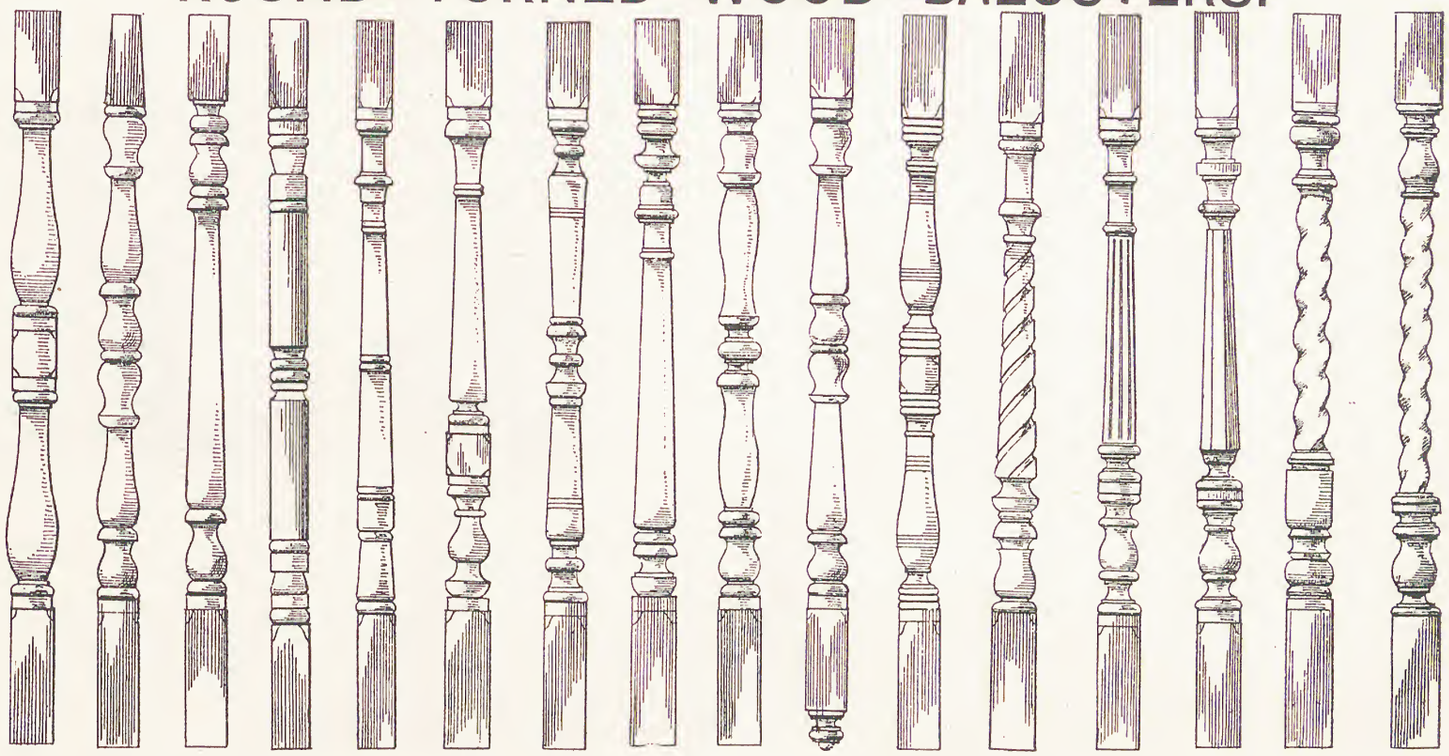
Per set of four.



Nos. 50. 51. 52. 53.

Pattern	Size	Deal	P. Pine	Birch	Mah.	Oak or Ash	Walt
50	2in. × 2ft. 6in.	1/-	2/6	3/-	4/6	4/6	4/9
	2½in. × 2ft. 6in.	1/3	3/3	3/9	5/3	5/3	6/6
	3in. × 2ft. 6in.	1/6	4/9	5/6	6/9	6/9	8/9
	3½in. × 2ft. 6in.	3/-	6/-	6/9	9/6	9/6	13/3
	4in. × 2ft. 6in.	3/9	7/9	9/6	12/6	13/3	19/-
51 52 and 53	2in. × 2ft. 6in.	1/3	3/-	3/9	4/9	4/9	5/3
	2½in. × 2ft. 6in.	1/6	3/9	4/6	5/3	5/3	6/9
	3in. × 2ft. 6in.	2/-	5/3	6/-	7/-	7/-	8/9
	3½in. × 2ft. 6in.	3/9	6/9	8/-	10/3	10/3	14/-
	3½in × 26in.	3/9	6/9	7/6	9/6	9/6	12/6
	4in. × 30in.	4/6	8/-	10/3	13/3	14/9	15/9

ROUND TURNED WOOD BALUSTERS.



30 31 33 35 37 38 39 40 41 43 44 53 54 55 60 61

All 3 ft. Long. Prices per Dozen.

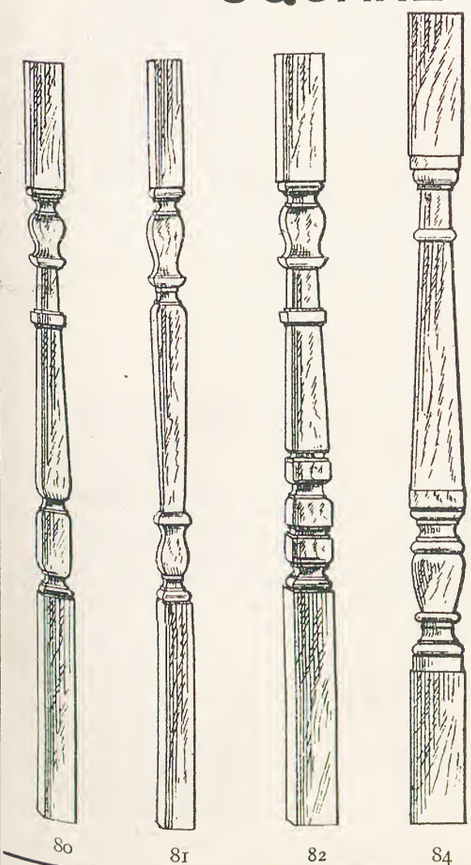
Pattern	Size	Deal	P.Pine	Mah.	Oak	Wal.
30, 31, 33.	Ex. 1¼ in.	2/3	4/-	7/3	7/3	9/6
,,	1⅝ ,,	2/6	4/6	8/9	8/9	10/3
,,	1¾ ,,	3/9	6/3	11/-	11/-	14/-
,,	2 ,,	4/6	7/3	12/6	12/6	17/-
Pattern	Size	Deal	P.Pine	Mah.	Oak	Wal.
35 and 37.	Ex. 1½ in.	3/-	4/9	9/3	9/3	11/-
,,	1¾ ,,	4/-	6/6	11/6	11/6	14/9
,,	2 ,,	4/9	8/-	13/3	13/6	17/9

Pattern	Size	Deal	P.Pine	Mah.	Oak	Wal.
38 and 39.	Ex. 1½ in.	3/3	5/3	9/3	9/3	11/-
,,	1¾ ,,	4/6	7/-	11/6	11/9	14/9
,,	2 ,,	5/3	8/9	13/3	14/-	17/9
40 to 43.	1½ ,,	4/-	6/-	9/6	9/6	11/-
,,	1¾ ,,	5/3	7/9	11/9	12/6	14/9
,,	2 ,,	6/-	9/6	14/9	14/9	17/9
44	1½ ,,	6/-	8/-	11/9	11/9	13/3
,,	1¾ ,,	7/6	10/3	14/-	14/9	17/-
,,	2 ,,	8/-	11/9	16/3	17/-	20/6

Pattern	Size	Deal	P.Pine	Mah.	Oak	Wal
53 Spiral. Fluted.	Ex. 1½ in.	4/6	7/3	11/-	11/9	13/3
	1¾ ,,	6/-	10/3	13/3	14/-	16/3
	2 ,,	7/6	11/9	17/-	17/6	20/6
54 Fluted.	1½ ,,	7/3	10/3	15/6	16/3	18/-
55	1¾ ,,	9/6	13/3	17/9	18/-	20/6
Octagon.	2 ,,	10/3	14/9	19/3	20/-	23/6
60 and 61.	1¾ ,,	15/6	20/6	24/3	25/9	26/6
,,	2 ,,	16/3	22/-	25/9	26/6	28/9
,,	2½ ,,	20/6	31/-	40/-	42/-	44/-

Any Patterns not shown can be turned to customer's Drawing or Pattern in a few days.

SQUARE TURNED WOOD BALUSTERS.

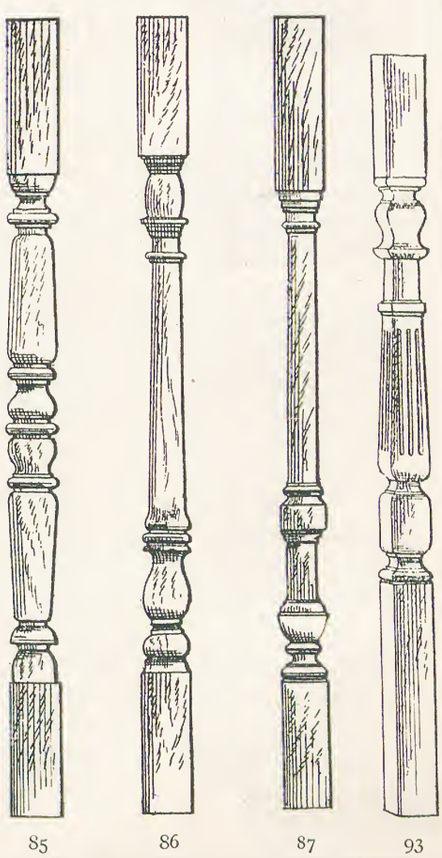


80 81 82 84

All 3 ft. Long. Prices per Dozen.

No.	Size.	Deal.	P.Pine.	Mah.	Oak.	Wal.
80, 81.	Ex. 1½ in.	7/3	9/6	14/9	15/6	16/3
,,	1¾ ,,	9/6	12/6	17/9	18/6	20/6
,,	2 ,,	10/3	14/-	20/6	22/-	22/9
82	1½ ,,	8/-	10/3	14/9	16/3	17/9
,,	1¾ ,,	11/-	13/3	19/3	19/9	22/-
,,	2 ,,	11/9	14/9	21/6	22/-	24/3
84, 85, 86.	1½ ,,	11/-	13/3	17/-	17/9	19/3
,,	1¾ ,,	12/6	14/9	20/-	20/6	22/9
,,	2 ,,	13/3	17/-	21/6	22/-	24/3
87	1½ ,,	11/9	14/-	17/9	18/6	20/-
,,	1¾ ,,	13/3	15/6	20/6	21/6	23/6
,,	2 ,,	14/-	17/9	22/-	22/6	25/-
93	1½ ,,	16/3	17/9	23/-	23/6	25/-
,,	1¾ ,,	18/6	22/-	26/6	27/3	29/6
,,	2 ,,	20/-	23/6	29/6	31/-	32/6
,,	2½ ,,	25/9	31/-	39/6	43/-	47/-

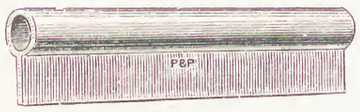
Any Patterns not shown can be turned to customer's Drawing or Pattern in a few days.



85 86 87 93

DRAUGHT TUBING AND EXCLUDERS.

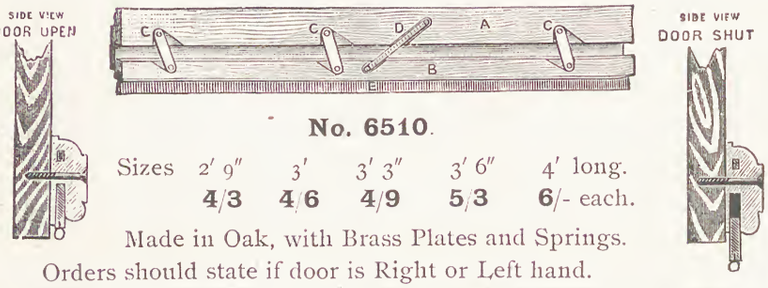
GREY INDIA RUBBER DRAUGHT TUBING.



In 60 ft. Coils.

	Sizes	1/8"	3/16"	1/4"	Internal diameter.
No. 6508. AI.	Moulded.	**4/9**	**6/9**	**9/9**	per coil.
No 6509. A.	Linen Flange.	**4/-**	**5/6**	**7/6**	,,

IMPROVED AUTOMATIC DRAUGHT EXCLUDER.

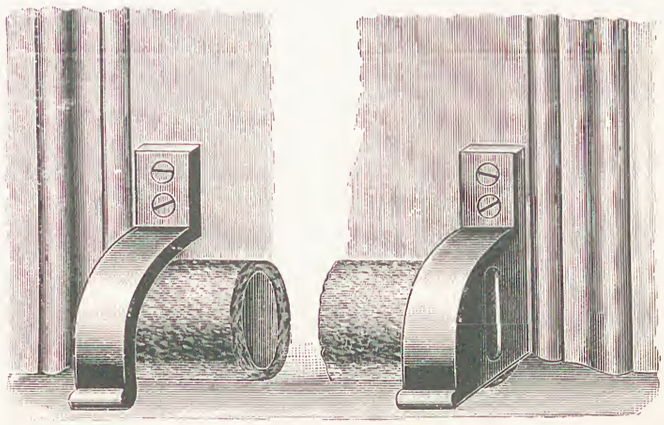


No. 6510.

Sizes 2′ 9″ 3′ 3′ 3″ 3′ 6″ 4′ long.
4/3 4/6 4/9 5/3 6/- each.

Made in Oak, with Brass Plates and Springs.
Orders should state if door is Right or Left hand.

RUSS'S PATENT DRAUGHT EXCLUDER.



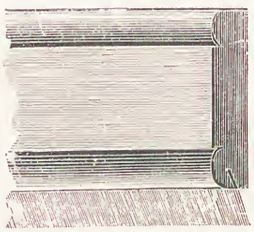
No. 6511.
Consists of a crimson plushette covered Roller and two polished Brass Brackets.

For Doors 3′ 3′ 6″ 4′ 4′ 6″ wide.
32/9 35/- 41/- 45/- per dozen sets.

The rollers are made only in above sizes. If too long for door, the covering should be opened at one end, and the roller cut to the required length, sufficient covering being left to turn over and tack down at the end.

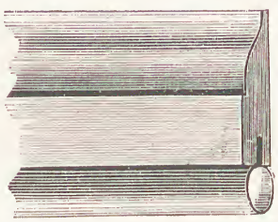
DRAUGHT EXCLUDERS ON WOOD MOULDINGS.

No. 6512.
Rubber Flange, mounted on wood moulding. Varnished.



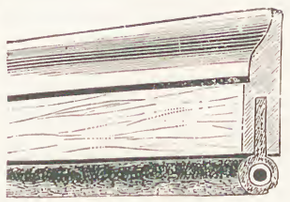
Size of moulding ½, ¾, and 1 in. wide.
Either size **1/6** per length. In 7ft. lengths.

No. 6513.
Solid Rubber Tubing, mounted on wood moulding. Varnished.

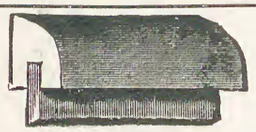


Size of moulding ½, ¾, and 1 in. wide.
Either Size **2/3** per length. In 7 ft. lengths.

No. 6514.
Leather Draught Tube, in crimson, green, drab, and marone. Mounted on wood moulding. Varnished.



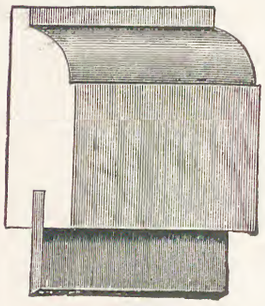
Size of moulding ½″ ¾″ 1″ wide.
3/9 4/6 5/6 per length.
In 7 ft. lengths.



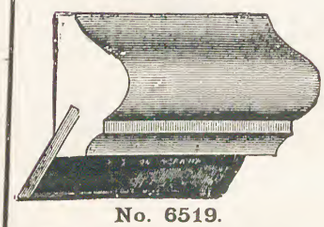
No. 6515.



No. 6516.



No. 6517.



No. 6519.

BLACK FELT WEATHER STRIP ON WOOD MOULDING.

Perfectly excludes Cold, Wind, Rain, Snow and Dust. It is the best, cheapest, most durable and effectual Draught-excluding Moulding.

No. **6515** is intended for the inside of upper sash. Nail to the parting strip with ¾ inch brads, or it can be used for Windows and Doors generally, applied same as No. **6516**. Being less in price it is preferred by some, as it answers the same purpose.

Price 1/6 per 7 ft. length.

No. **6516** is applied to Doors and Windows, making them air-tight, and entirely preventing their rattling. Close the door and brad the strip to the jamb or frame, so that the felt presses gently against the door. For lift windows, close the sash and brad to the top bead at the sides and bottom, so that the felt will press gently against the sash. For a neat job, mitre corners. Use ¾ inch brads or finishing nails.

Price 2/- per 7 ft. length.

No. **6517** is applied to bottoms of Doors, and also to bottom rail of French sash, the felt to press gently on the sill. Close the door or sash before applying. Use 1¼ inch finishing nails, or 1 inch screws.

Price 3/3 per 7 ft. length.

No. **6518** is a perfect arrangement for closing the joints between Double Doors. Close the doors and nail to one door, with the felt projecting over the other. Use 1¼ inch brads or finishing nails.

Price 3/3 per 7 ft. length.

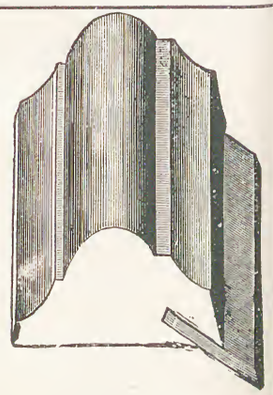
No **6519** is a neat and effective device for closing the joint between the Upper and Lower Sash of Lift Windows, and also for French Windows, to close the joint between the two sashes. For lift windows it is bradded to the top of lower sash, the felt extending to and bearing on the upper; in case there are fastenings, apply to the under side of upper sash with the felt projecting over the lower one. For French Windows, brad to one sash with the felt bearing on the other. Use 1 inch brads or finishing nails.

Price 2/6 per 7 ft. length.

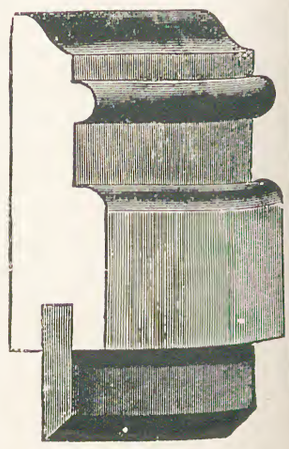
No. **6520** is made with double thick felt, and is applied to the bottoms of Front and Store Doors. Close the door before applying, and press the felt gently in the sill. Use 1 inch screws.

Price 4/3 per 7 ft. length.

Drawings are Full Size.



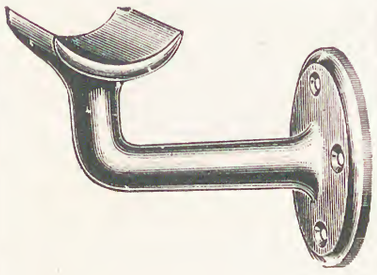
No. 6518.



No. 6520.

HAND RAIL AND CORD BRACKETS, WINDOW AND DOOR GUARDS.

HAND RAIL BRACKET.



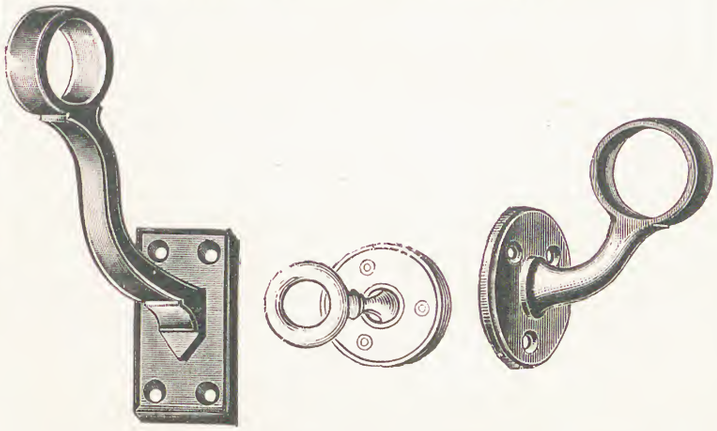
No. **6521.**

Sizes, 2 2½ 3 3½ 4 5 6 in. projection.

Japanned Iron ... 5/- 6/- 7/- 8/- 9/- 11/- 13/- per dozen.

Polished Brass 20/- 22/- 25/- 26/- 30/- 36/- 42/- ,,

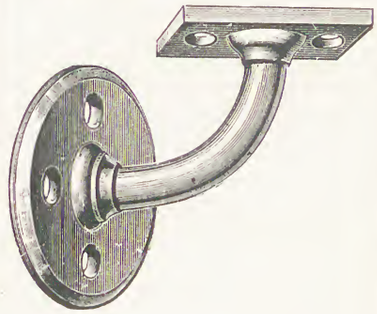
HAND CORD BRACKETS.



No. **6522.** Nos. **6523** and **6524.** No. **6525.**

For cord.	Sizes,	¾	1	1¼	1½	1¾	2 in.	
No. **6522.**	Polished Brass ..	**31/9**	**32/9**	**35/6**	**37/6**	**40/6**	**44/-**	per dozen.
,, **6523.**	Japanned Iron ..	—	**5/-**	**7/-**	—	—	—	,,
,, **6524.**	Polished Brass ..	—	**16/-**	**20/-**	—	—	—	,,
,, **6525.**	Brass	**19/6**	**22/-**	**25/3**	**32/9**	**41/3**	**54/9**	,,

HAND RAIL BRACKET.



No. **6526.**

Sizes .. 2 2 2¼ in. proj.
,, .. 2 2¼ 2½ in. plate.

Polished Brass, **14/9** **18/-** **19/3** dozen.

No. **6527.**

Japanned Iron to screw in 2¾ in. projection **11/-** per dozen.

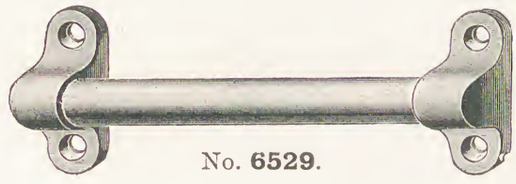
POLISHED BRASS SHOP WINDOW AND DOOR GUARDS.

Measured from Outside to Outside



No. **6528.**

	⅜	½	⅝	¾ in. diameter.
Length, 28 ins. ..	**1/9**	**2/-**	**2/9**	**3/3** each.
,, 30 ,, ..	**2/-**	**2/6**	**3/3**	**3/9** ,,
,, 36 ,, ..	**2/6**	**3/-**	**3/9**	**4/6** ,,



No. **6529.**

Size, ½ × 24 in. long.
Brass Tube .. **3/-** each.
Longer Lengths, **1/3** per foot extra.



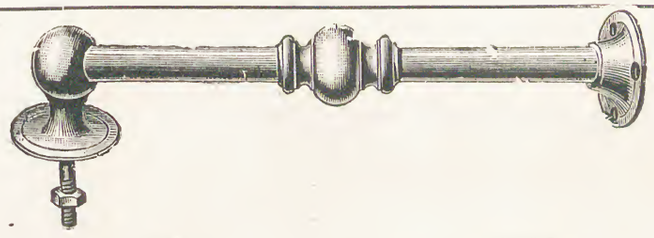
No. **6530.**

Sizes, ¾ 1 1¼ 1½ 1¾ 2 in.
8/3 **10/6** **11/9** **16/6** **22/3** **23/6**
Each.

No. **6531.**

Sizes, ¾ 1 1¼ 1½ 1¾ 2 in.
9/3 **11/9** **14/-** **18/9** **24/6** **29/6**
Each.

Any length up to 3 feet same price.



No. **6532.**

Sizes, 1 1¼ 1½ 1¾ 2 in.
13/- **15/3** **19/9** **25/9** **29/3** each.

No. **6533.**

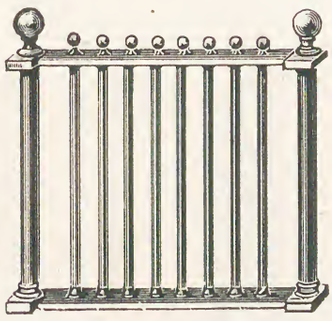
Sizes. 1 1¼ 1½ 1¾ 2 in,
12/3 **14/6** **18/9** **23/6** **26/9** each.

Any length up to 3 feet same price.

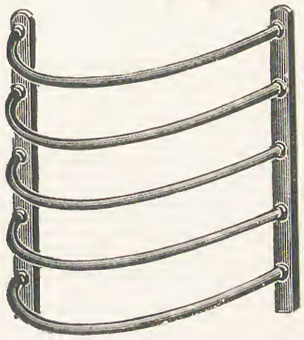
POLISHED BRASS WINDOW, COUNTER AND DESK GUARDS.

Any pattern made to order.

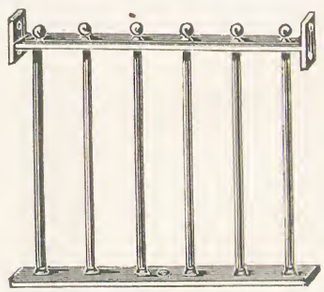
No. **6534.**



No. **6535.**



No. **6536.**



Prices sent on receipt of particulars.

POLISHED BRASS GUARD RAIL SUPPORT FOR PROTECTING GLASS DOORS.



No. **6537.** To take four Rods .. **29/-** per dozen.

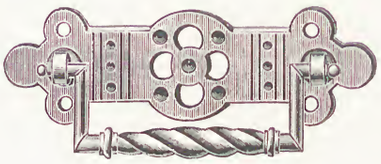
POLISHED BRASS CABINET HANDLES.

STAMPED BRASS PLATES WITH CAST DROP HANDLES EXCEPT WHERE OTHERWISE STATED.



No. 6538.

Sizes 2½ 3¼ 4 4½ ins.
4/9 **6/3** **7/6** **9/3** per doz.
Ward, **10/3** Ped., **8/6** Turns, **10/3** ,,



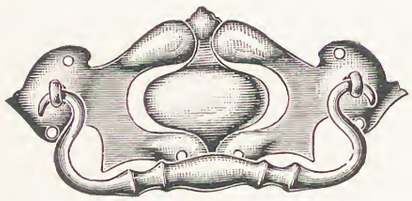
No. 6539.

Sizes 2 2½ 3 3½ 4 4½ 5 ins.
7/6 **8/6** **9/3** **10/9** **11/9** **14/-** **16/6** doz.
Ward, **17/9** Ped., **13/6** Escutcheons, **2/6** ,,
Hinge Plates, 2 ins. .. **3/3** doz.



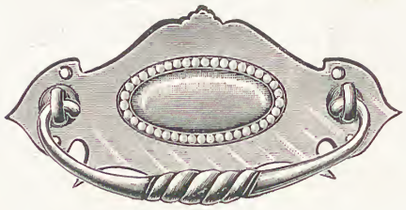
No. 6540.

Sizes 2½ 3½ 4¼ ins.
5/3 **7/-** **9/-** per doz.
Ward, **11/3** Ped., **9/3** Turns, **11/3** per doz.



No. 6541.

Sizes 2¾ 4 4¾ ins. Ward. Ped.
6/6 **9/-** **11/3** **13/6** **10/3** per doz.



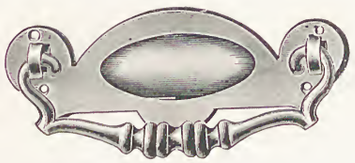
No. 6542.

Sizes 2¾ 4 4¾ 5½ ins.
6/6 **9/-** **12/3** **16/9** per doz.
Ward, **13/6** Ped., **11/3** per doz.



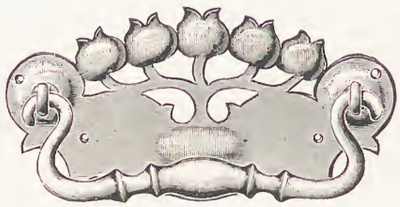
No. 6543.

Sizes 2½ 3½ 4 5 ins. Ward.
5/3 **6/6** **8/6** **11/3** **9/3** per doz.



No. 6544.

Sizes 2½ 3¼ 4 4½ ins. Ward. Ped.
4/3 **5/9** **6/6** **9/-** **11/3** **8/6** per doz



No. 6545.

Sizes 2¼ 3½ 4½ ins. Ward. Ped.
8/- **11/3** **14/6** **14/6** **11/3** per doz.

ELECTRO BRASSED.



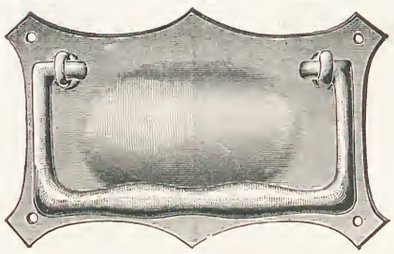
No. 6546.

Sizes 2½ 3¾ 4¾ ins Ward. Ped.
4/3 **5/9** **7/6** **8/-** **6/3** per doz.



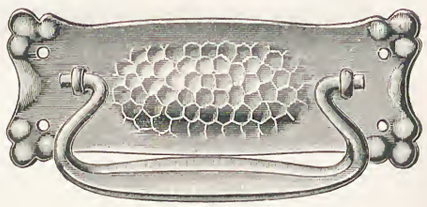
No. 6547.

Sizes 3 4 4½ ins. Ward. Ped.
6/6 **10/3** **14/-** **15/-** **12/3** per doz



No. 6548.

Sizes 2¾ 3¼ 4 ins. Ward. Ped.
5/3 **6/6** **9/-** **10/3** **8/6** per doz.



No. 6549.

Sizes 2¼ 3¾ 4½ ins. Ward. Ped.
9/- **12/3** **16/9** **17/9** **13/6** per doz.

CAST BRASS.



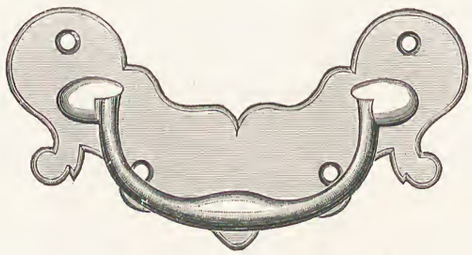
No. 6550.

Ward, 4½ ins., **16/9**
Ped., 4 ,, **14/6**
per dozen.



No. 6551.

Ward, 4½ ins., **11/3**
Ped., 3½ ,, **8/6**
per dozen.



No. 6552. Brass Plate Handle.

Measurements across Plate.

Sizes
3½ 3¾ 4 4¼ 4½ 5 5½ 6 6½ 7 7½in
5/3 6/6 7/6 8/6 9/9 11/3 14/- 17/3 21/6 25/9 32/3

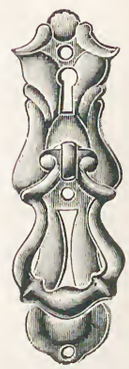
per dozen.

CAST BRASS.



No. 6553.

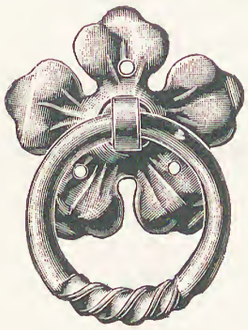
Ward, 5 ins., **33/9**
Ped., 4¼ ,, **28/-**
per dozen.



No. 6554.

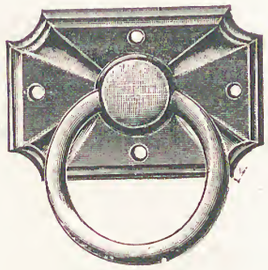
Ward, 4¾ ins., **13/6**
Ped., 4 ,, **10/3**
per dozen.

POLISHED BRASS CABINET RING HANDLES.



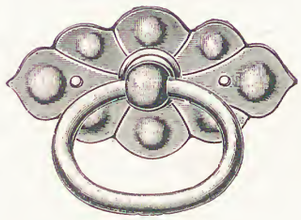
No. 6555.

1½ 2 2¾ ins. Wardrobe. Pedestal.
7/6 11/3 15/- 14/- 11/3
per dozen.



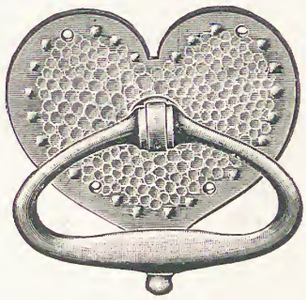
No. 6556.

Jewel. Drawer. Chest. Wardrobe. Pedestal
8/- 10/3 13/6 16/9 13/6
per dozen.



No. 6557.

Jewel. Drawer. Chest. Wardrobe. Pedestal
6/6 9/- 11/3 12/3 10/3
per dozen.



No. 6558.

Jewel. Drawer. Chest. Wardrobe. Pedestal
11/3 16/- 20/- 17/9 14/6
per dozen.

POLISHED BRASS HINGES AND HINGE FRONTS.

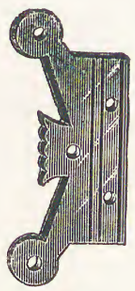
HINGE FRONTS, drawn half size. CABINET HINGES, drawn half size.



No. 6559.
10/9 per dozen.

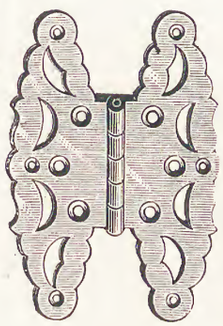


No. 6560.
6/6 per dozen.

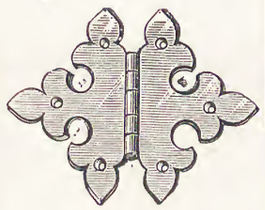


No. 6561.

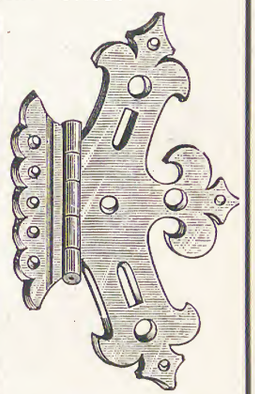
Sizes 2 2½ 3 ins.
4/3 5/3 6/6 doz.



No. 6562.
2/6 per pair.

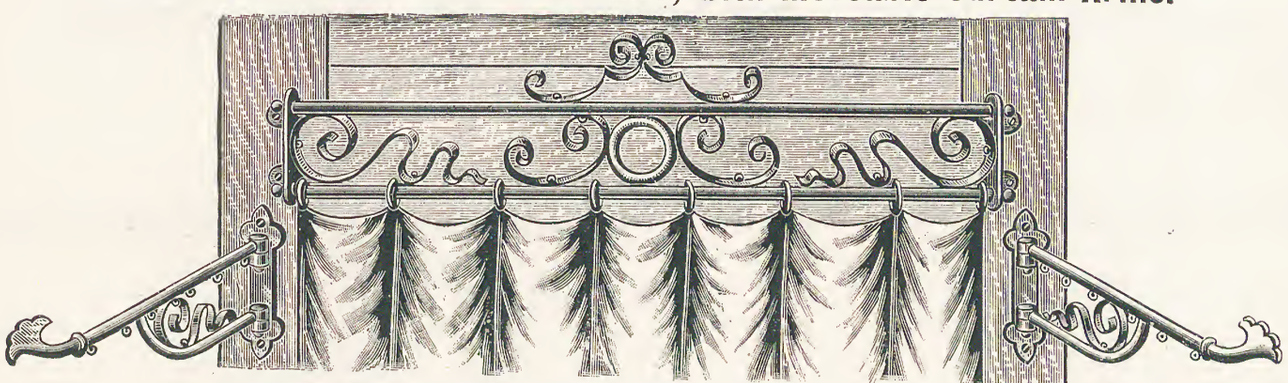


No. 6563.
2/6 per pair.



No. 6564.
4/9 per pair.

POLISHED BRASS BED ORNAMENT, with Moveable Curtain Arms.



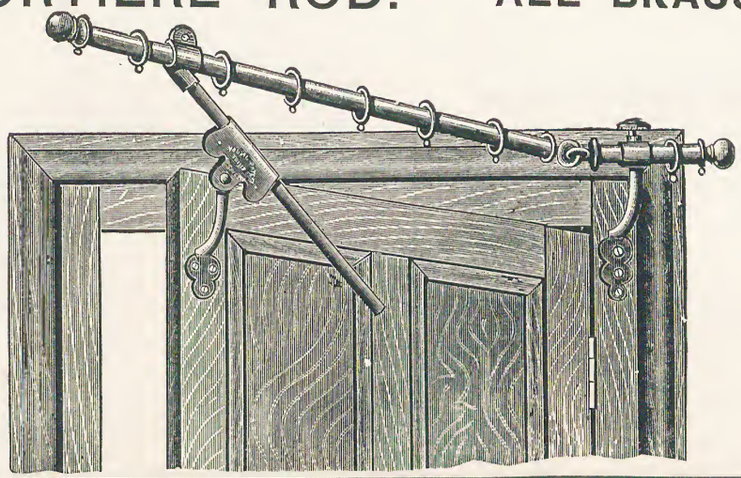
No. 6565. Special Designs made to order. Estimates given.

RISING PORTIERE ROD. ALL BRASS, POLISHED.

No. 6566.

	4 ft. 0 in.	4 ft. 6 in.	
⅝-in. ..	**8/3**	**8/9**	each.
¾-in. ..	**10/9**	**11/3**	,,
1-in. ..	**13/3**	**14/-**	,,

Reliable. Noiseless. Automatic.
Easily fixed.



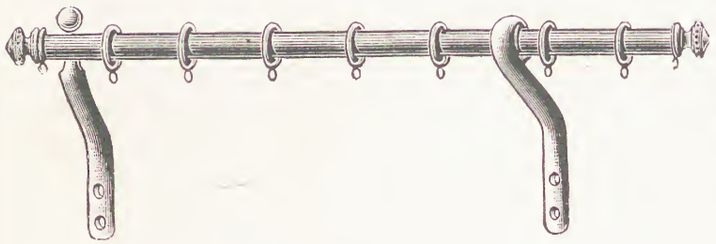
Will suit either hand.

Hinged pattern only.

Each Rod complete with fittings, screws, and instructions for fixing.

POLISHED BRASS PORTIERE DOOR RODS.

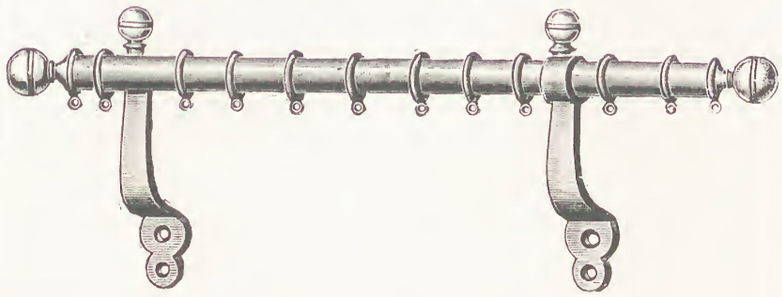
No. 6567. MEDIUM CLASS ROD.



Extra Strong Polished Brackets.

	3 ft. 6 in.	4 ft.
$\frac{5}{8}$ in. ..	**3/-**	**3/3** each.
$\frac{3}{4}$,, ..	**3/3**	**3/6** ,,

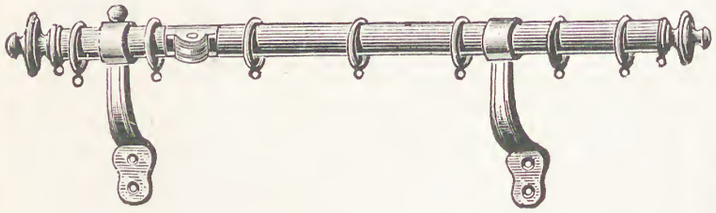
No. 6568. FIRST CLASS ROD.



Heavy Polished Cast Brackets and Ends.

	3 ft. 6 in.	4 ft.
$\frac{3}{4}$ in. ..	**5/3**	**5/9** each.
$\frac{7}{8}$,, ..	**6/6**	**7/-** ,,

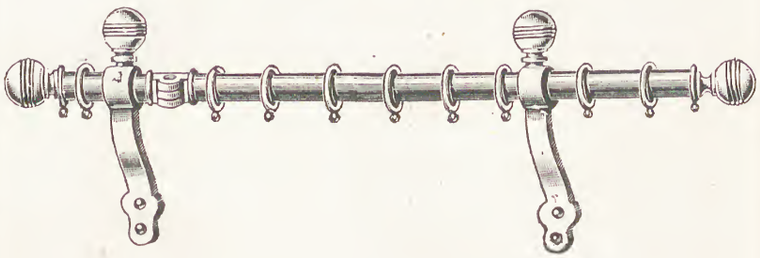
No. 6569. GOOD QUALITY JOINTED ROD.



Strong Polished Cast Brackets and Ends.

	4 ft.	4 ft. 6 in.
$\frac{5}{8}$ in. ..	**4/6**	**5/-** each
$\frac{3}{4}$,, ..	**5/3**	**5/9** ,,

No. 6570. BEST QUALITY JOINTED ROD.

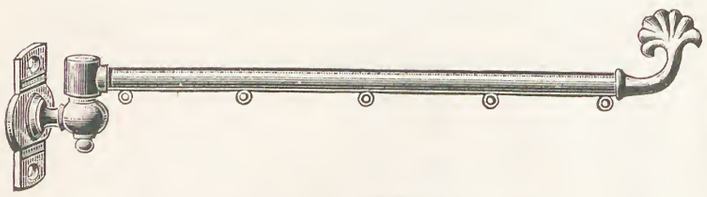


Heavy Polished Cast Brackets.

	4 ft.	4 ft. 6 in.
$\frac{3}{4}$ in. ..	**6/9**	**7/3** each.
$\frac{7}{8}$,, ..	**9/3**	**9/9** ,,
1 ,, ..	**10/6**	**11/3** ,,

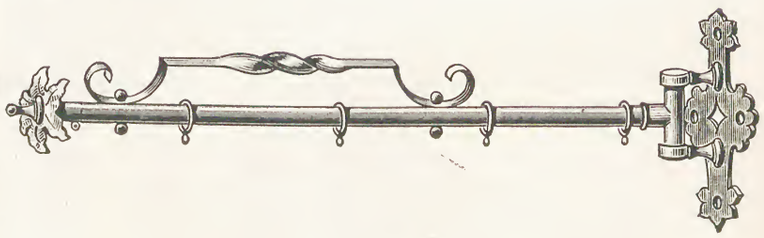
BRASS SWING DRAPERY OR BED ARMS.

Highly finished and lacquered.



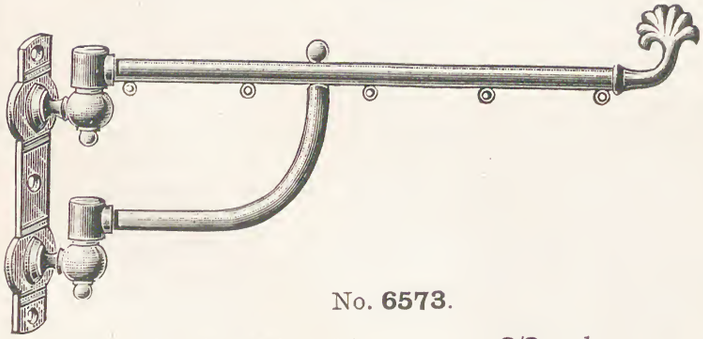
No. **6571**.

2 ft. 9 in. × $\frac{1}{2}$ in. .. **5/9** each.



No. **6572**.

2 ft. 6 in. × $\frac{5}{8}$ in. .. **9/-** each.

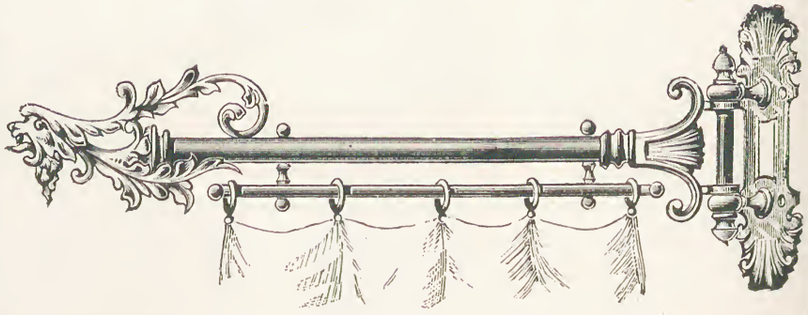


No. **6573**.

2 ft. 6 in. × $\frac{1}{2}$ in. × $\frac{5}{8}$ in. .. **8/3** each.

No. **6573**A. With Brass Scroll Work .. **11/9** ,,

No. **6574**. ,, Copper ,, .. **14/-** ,,

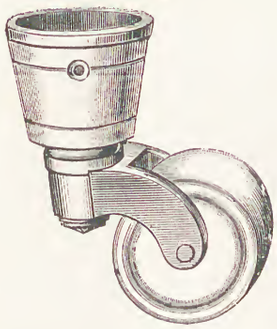


No. **6575**.

3 ft. overall × $\frac{5}{8}$ in. .. **21/-** each.

SOCKET, SCREW AND PLATE CASTORS. (Various.)

SOCKET.



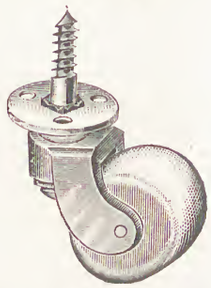
No. 6576. Brass with Vitrified Bowls.

SIZES.

¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2 in.
1/10	2/-	2/3	2/6	2/9	3/3	3/9	6/6	8/6

Per set.

SCREW.



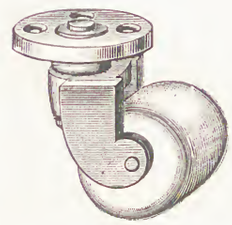
No. 6577. Brass, with Vitrified Bowls.

SIZES.

¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2 in.
1/3	1/4	1/6	1/9	2/-	2/6	3/3	4/6	6/-

Per set.

PLATE.



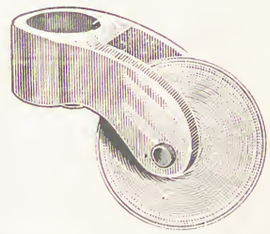
No. 6578. Brass, with Vitrified Bowls.

SIZES.

1	1⅛	1¼	1⅜	1½	1¾	2	2¼ in.
1/3	1/6	2/-	2/3	2/9	3/3	4/3	6/-

Per set.

BEDSTEAD.



No. 6579. Japanned Iron, with Wood Bowl.

Sizes	1¼	1⅜	1½	1¾	2 in.
Wood Bowl	**10/6**	**11/3**	**13/6**	**23/-**	—

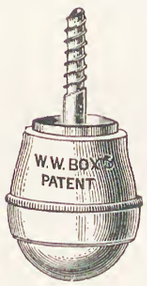
No. 6580. Brown China Bowl.

Sizes	1¼	1⅜	1½	1¾	2 in.
	14/-	**16/3**	**18/9**	**28/9**	**49/6**

Per single gross.

PATENT BRASS BALL CASTORS.

STEEL BALLS.



No. 6581. Screw.

Sizes	¾	⅞	1	1¼ in.
	4/-	**4/3**	**4/6**	**4/9**

Per set.



No. 6582. Plate.

1½ in. square plate.

6/- per set.



No. 6583. Socket.

Sizes	¾	⅞	1	1¼ in.
	4/3	**4/6**	**4/9**	**5/3**

Per set.

Sets cannot be broken.

BRASS CASTOR RINGS.



No. 6584. Stamped.

Sizes	¾	⅞	1	1⅛	1¼	1⅜	1½ in.
	3/-	**3/3**	**3/9**	**4/9**	**5/6**	**7/-**	**8/6**

Per doz. sets.



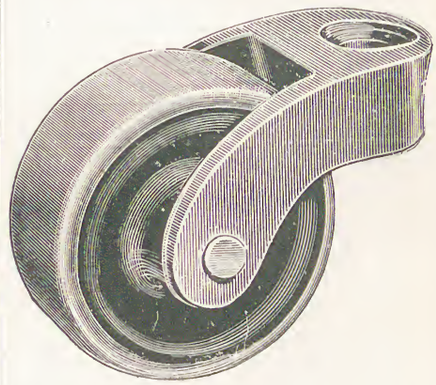
No. 6585. Cast Brass.

SIZES.

¾	⅞	1	1⅛	1¼	1⅜	1½	1¾ in.
7/6	**8/6**	**9/9**	**11/3**	**12/9**	**15/-**	**17/3**	**25/9**

Per doz. sets.

INDIA-RUBBER TYRED CASTORS.



No. 6586. Japanned Iron Bedstead Castors, with 2½ in. Bowls, and India Rubber Tyred.

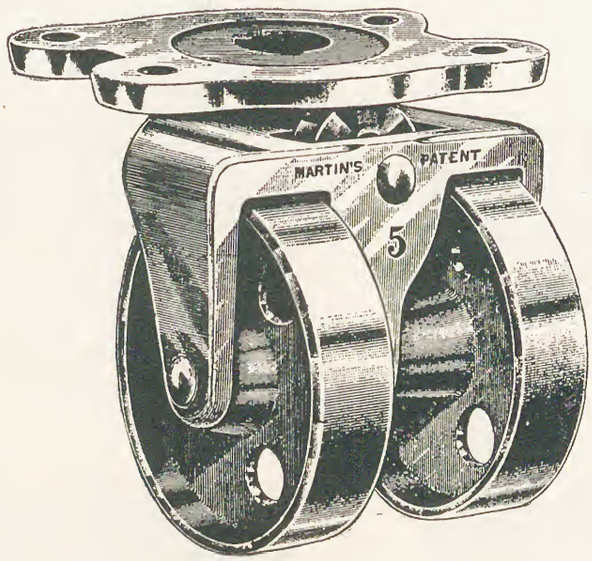
16/- per doz.

Ditto Electro Brassed, **24/-** per doz.

MARTIN'S PATENT CASTORS.

Suitable for Trolleys, Warehouse Boxes, or Baskets.

Easy running and Strong.

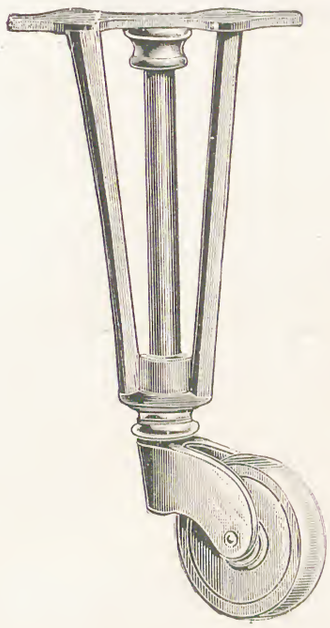


No. 6590. Oblong Plate.

PRICES PER SET OF FOUR.

No. 6587.	Round Plate, Iron Wheels	1 in. diameter,	.. ..	**4/-** per set.
,, **6588.**	,, ,,	1⅜ ,,	,, ...	**4/3** ,,
,, **6589.**	Oblong Plate, ,,	1⅝ ,,	,, ...	**4/6** ,,
,, **6590.**	,, ,,	1⅞ ,,	,, ...	**5/-** ,,
,, **6591.**	,, ,,	2¼ ,,	,, ...	**7/6** ,,
,, **6592.**	,, ,,	2½ ,,	,, ...	**10/-** ,,

FRENCH CASTORS.



No. 6593. Japanned Iron, with Wood Bowl.

Extreme Height	5	7	9	11	13	in.
Diameter of Bowl	3	3	3	3½	4	,,
Price	**10/9**	**11/3**	**12/9**	**15/6**	**17/9**	per set.
Extreme Height	15	17	19	20	22	in.
Diameter of Bowl	4½	5	5	5	5	,,
Price	**19/3**	**21/6**	**23/6**	**24/3**	**25/6**	per set.

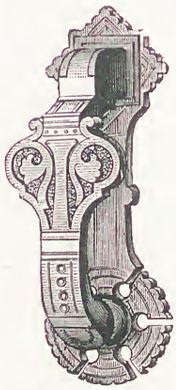
IRON DOOR KNOCKERS.



No. 6594.
Japanned, **1/-** each.



No. 6595.
Japanned, **1/8** each.



No. 6596.
Relieved Varnish or Berlin Black, **1/1** each.



No. 6597. $7\frac{3}{4} \times 3\frac{1}{2}$ in.
Berlin Black,
1/3 each.



No. 6598.
Japanned, **1/4** each.



No. 6599.
Berlin Black,
1/2 each.

IRON LETTER PLATES.



No. 6600.
Size $5\frac{5}{8} \times 2\frac{1}{2}$ in. overall.
Relieved Varnish or Berlin Black, **8**d. each.



No. 6601. Size $7\frac{5}{8} \times 2\frac{7}{8}$ in. overall.
Relieved Varnish or Berlin Black,
10d. each.



No. 6602. Size $8\frac{1}{2} \times 3\frac{1}{8}$ in. overall.
Relieved Varnish or Berlin Black.
1/2 each.



No. 6603. Size $6\frac{1}{4} \times 2\frac{5}{8}$ in. overall.
Relieved Varnish or Berlin Black
9d. each.

IRON POSTAL HANDLES.



No. 6604. Size $10\frac{7}{8} \times 3$ ins. overall.
Relieved Varnish or Berlin Black.
1/10 each.



No. 6605. Size $10 \times 3\frac{1}{8}$ in. overall.
Relieved Varnish or Berlin Black, **1/10** each.



No. 6606. Size $12\frac{1}{8} \times 4\frac{3}{8}$ in. overall.
Relieved Varnish or Berlin Black,
2/9 each.



No. 6607. $9\frac{5}{8} \times 3$ in. overall.
Relieved Varnish or Berlin Black,
1/10 each.



No. 6608. $8\frac{1}{2} \times 3\frac{1}{4}$ in. overall.
Relieved Varnish or Berlin Black, **1/10** each.



No. 6609. $10\frac{1}{4} \times 3\frac{3}{8}$ in. overall.
Relieved Varnish or Berlin Black, **2/-** each.

IRON POSTAL KNOCKERS.



No. 6610. $9\frac{3}{4} \times 4\frac{1}{2}$ in. overall.
Relieved Varnish or Berlin Black.
1/10 each.



No. 6611. $9\frac{5}{8} \times 4\frac{3}{8}$ in. overall.
Relieved Varnish or Berlin Black,
2/3 each.



No. 6612. $9\frac{1}{4} \times 4\frac{3}{8}$ in. overall.
Relieved Varnish or Berlin Black,
2/- each.

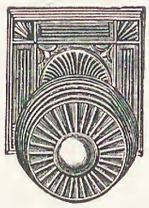
SUITES OF ENAMELLED IRON DOOR FURNITURE.

With Screws Complete.

Engraved ¼ Size.



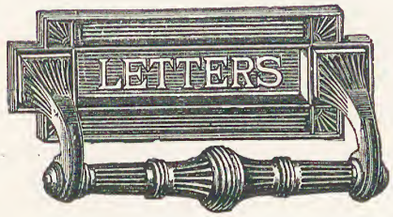
No. 6613. Letter Plate, **10d.** each.



No. 6614. Centre Door Knob, **10d.** each.



No. 6615. Knocker, **1/-** each.



No. 6616. Postal Handle, **2/4** each.



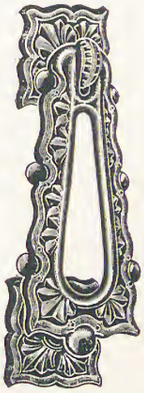
No. 6617. Bell Pull, **7d.** each.



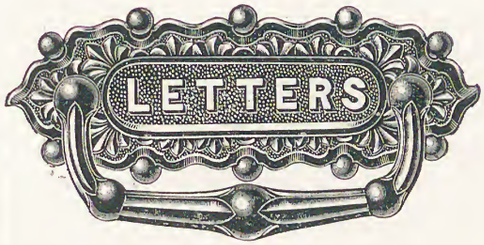
No. 6618. Letter Plate, **11d.** each



No. 6619. Centre Door Knob, **1/1** each.



No. 6620. Knocker, **1/2** each.



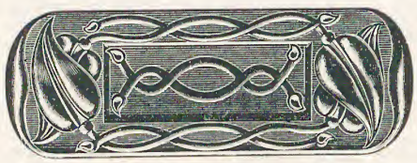
No. 6621. Postal Handle, **1/10** each.



No. 6622. Escutcheon, **3d.** each.

SUITES OF BERLIN BLACK IRON DOOR FURNITURE.

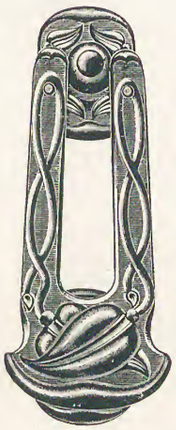
Engraved ¼ Size.



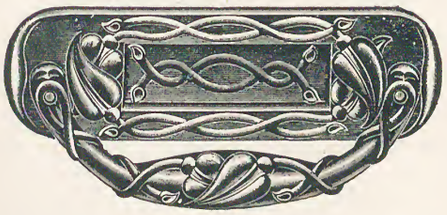
No. 6623. Letter Plate, **1/3** each.



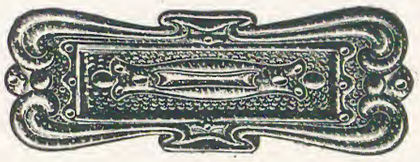
No. 6624. Centre Door Knob, **1/3** each.



No. 6625. Knocker, **1/3** each.



No. 6626. Postal Handle, **2/-** each.



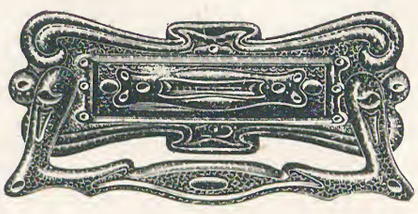
No. 6627. Letter Plate, **1/3** each.



No. 6628. Centre Door Knob, **1/3** each.



No. 6629. Knocker **1/9** each.



No. 6630. Postal Handle, **2/-** each.

BRASS, COINAGE METAL AND COPPER LETTER PLATES.



No. 6631. Plain Brass.
Polished or Bronzed and Relieved.

Sizes	6	7	8	10	inch.
	1/9	**2/-**	**2/3**	**3/3**	each.



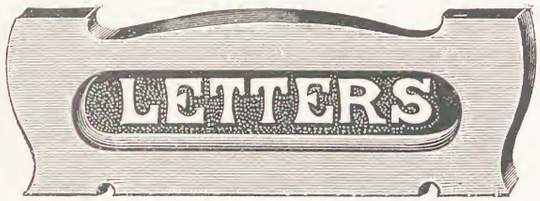
No. 6632.
Polished or Bronzed and Relieved.

Sizes	6	6½	7½	inch.
	2/9	**4/-**	**5/6**	each.



No. 6633. Polished Brass.

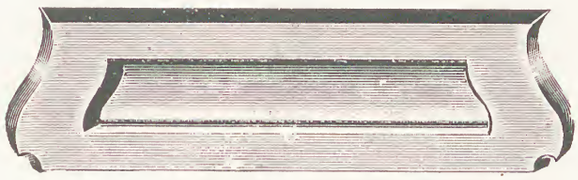
Sizes	6	7	8	10	inch.
	3/6	**3/9**	**4/9**	**7/9**	each.



No. 6634. Polished.

Polished Brass	.. ..	**3/3** each
Coinage Metal	.. ..	**4/3** ,,

Drawn One-third Size.



No. 6635. Polished.

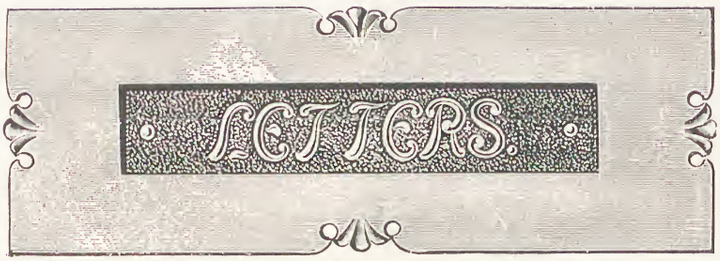
Polished Brass	.. ..	**3/6** each.
Coinage Metal	.. ..	**4/9** ,,

Drawn One-third Size.



No. 6636. Bold Plate, Polished Brass.

Sizes	7	8	10	12	inch.
	2/6	**3/-**	**4/6**	**5/9**	each.



No. 6637.

Sizes	8	9	10	12	inch.
Best Finished Polished Brass ..	**10/3**	**11/6**	**12/9**	**14/-**	each.
,, Coinage Metal ..	**11/6**	**12/9**	**14/-**	**15/3**	,,

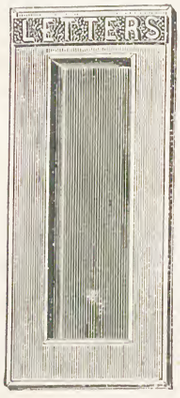


No. 6638.

Sizes	9	10	12	inch.
Best Finished Polished Brass	**11/6**	**12/9**	**14/-**	each.
,, Coinage Metal	**12/9**	**14/-**	**15/3**	,,



No. 6639. Best Hand-made Repoussé Antique Copper.
25/- each.
Drawn one-third size.



No. 6640. Polished Brass or Bronzed and Relieved.

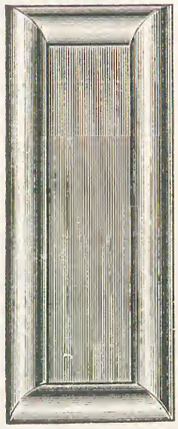
Sizes	6½	8 inch
	4/-	**6/6** each.

No. 6641. "SPECIAL."



Suitable for Post Offices, Public Buildings, Banks, &c.
Made any size required, in Brass, Gun Metal, Copper or Zinc.
Engraved any wording to order.

Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.



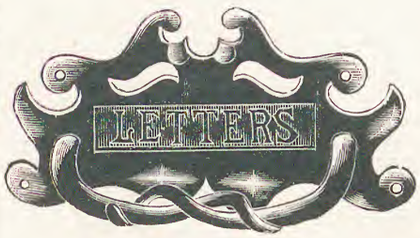
No. 6642. Upright Polished Brass. **Price 6/-** each.
Drawn one-third size.

OUTSIDE DOOR FURNITURE & LETTER BOXES.

IRON ANTIQUE DOOR FURNITURE.
DEAD BLACK.



Letter Plate B.B.
No. 6643. **2/3** each.



Postal Handle B.B.
No. 6644. **4**/- each.



Plate only B.B., for 1¾ in.
Electric Bell Push.
No. 6647. **6d.** each.

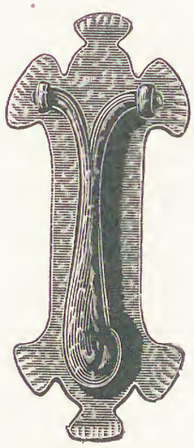


Knocker B.B.
No. 6645.
4/3 each.



Postal Knocker B.B
No. 6646. **5**/- each.

IRON ANTIQUE DOOR FURNITURE.
DEAD BLACK.



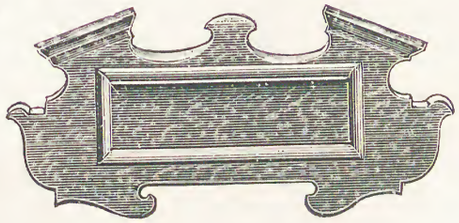
No. 6649.
Knocker.
4/3 each.



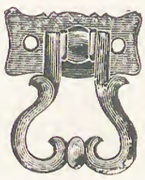
No. 6648. Letter Plate.
2/- each.



No. 6650.
Door Knob.
Pitt's Mortice.
1/6 each.



No. 6651. Letter Plate.
3/6 each.

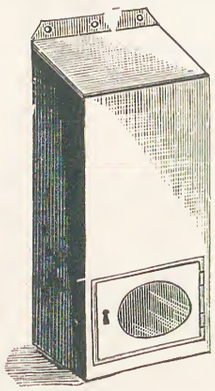


No. 6652.
Door Handle.
Pitt's Mortice.
1/- each.

Can also be supplied in Armour or Semi-Bright at small extras.
Drawn quarter size.

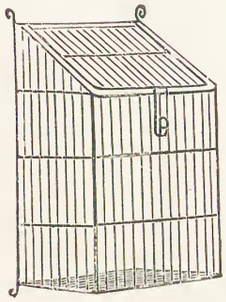
LETTER BOXES.

JAPANNED OAK.



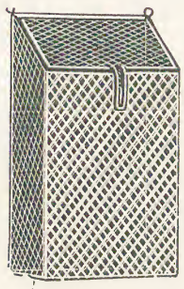
Small. 12×6×2½ Medium. 14×7×3½ Large. 16×7×4 ins.
No. 6653. With Hasp.
2/9 **3/3** **4**/- each.
No. 6654. With Lock and Key.
3/9 **4/3** **5**/- each.
Above sizes are stocked.
Specially large ones for Public Offices, &c., made to order.

IMPROVED WIRE.



STRAIGHT PATTERN.
No. 6655.

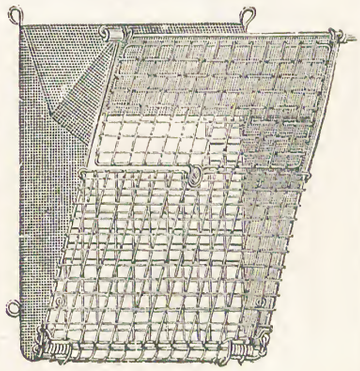
High.	Wide.	Deep.	Gald. Iron.	Brass.
10	6	4 ins.	**2/9**	**4/9** ea.
13	7	5 ,,	**3/6**	**6**/- ,,
16	8	6 ,,	**4/6**	**7**/- ,,



DIAMOND PATTERN.
No. 6656.

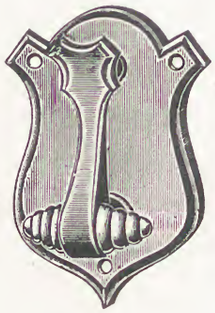
High.	Wide.	Deep.	Gald. Iron.	Brass.
10	6	4 ins.	**2/-**	**4/3** ea.
13	7	5 ,,	**2/9**	**5/3** ,,
16	8	6 ,,	**3/6**	**6/6** ,,

PATENT COLLAPSIBLE.

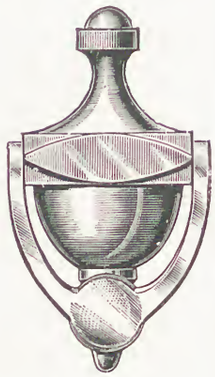


No. 6657.
Tinned Wire with Steel Frame fitted with dark canvas sides.
Price 8/6 each.
This Box collapses when it comes in contact with a side wall and permits the door to be opened to the full extent. India-rubber Rollers prevent injury to the wall.

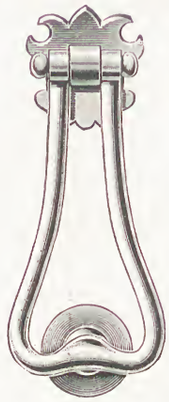
POLISHED BRASS DOOR KNOCKERS.



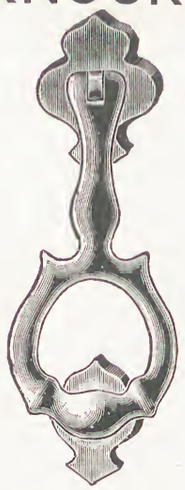
No. 6658.
For Bedrooms, Offices, &c.
Drawn one-third size.
Price 18/9 per dozen.



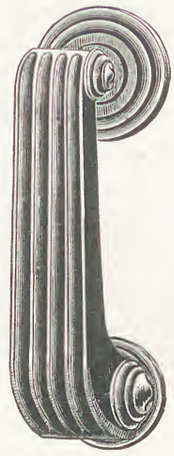
No. 6659.
Drawn one-third size.
Price 3/6 each.



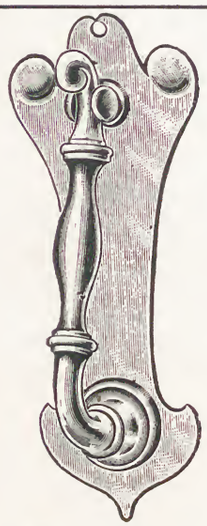
No. 6660.
Size 6¼ inch.
Price 2/6 each.



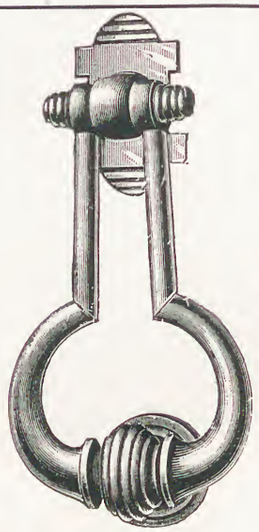
No. 6661.
Drawn one-third size.
Price 2/3 each.



No. 6662.
Drawn one-third size.
Price 4/- each.



No. 6663.
Drawn one-third size.
Polished Brass **8/3** each.
Coinage Metal **9/-** ,,



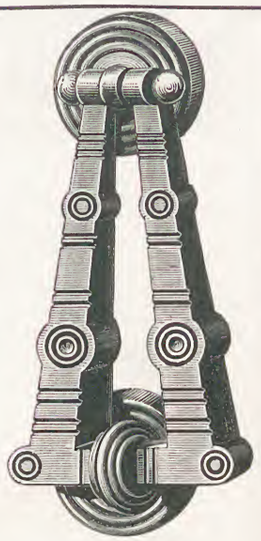
No. 6664.
Size 7 ins. overall.
Price 6/3 each.



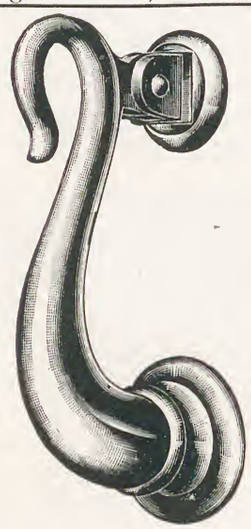
No. 6665.—Special Finish.
Drawn half size.
Price 18/- each.



No. 6666.
Size 8½ ins.
Price 5/- each.

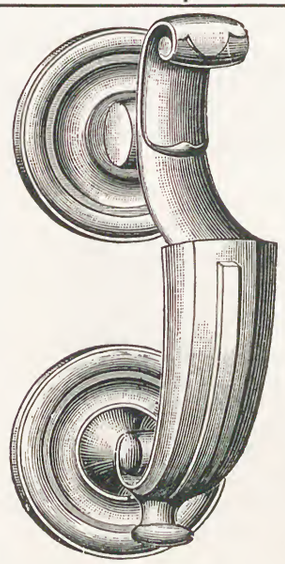


No. 6667.
Size 8½ ins.
Price 4/- each.



No. 6668.

Size	5	6 ins.
Polished Brass	**5/3**	**6/9** each.
Gun-metal ..	**7/3**	**8/9** ,,

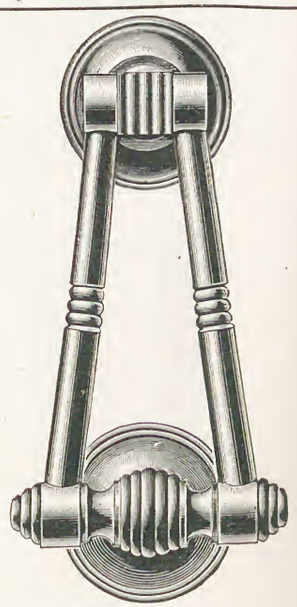


No. 6669.—Polished Brass.
Measured centre to centre.

4	5	6 ins.
6/-	**6/9**	**14/-** each.



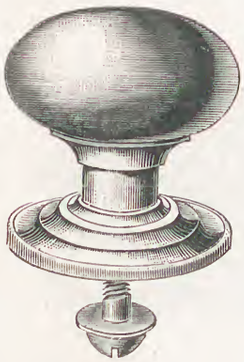
No. 6670.—Drawn half size.
Polished Brass .. **8/-** each
Metallic Bronzed .. **7/-** ,,



No. 6671.—Drawn half size.
Polished Brass .. **6/6** each
Metallic Bronzed .. **6/3** ,,

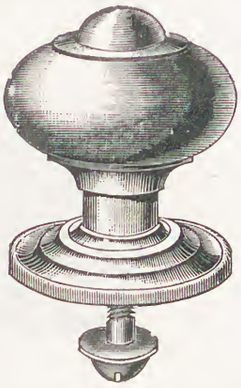
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

CENTRE DOOR KNOBS, IRON AND BRASS.



No 6672. Plain.

Sizes	2½	2¾ in.
Japanned Iron	**9d.**	**10d.** each.
Polished Brass	—	**1/9** each.

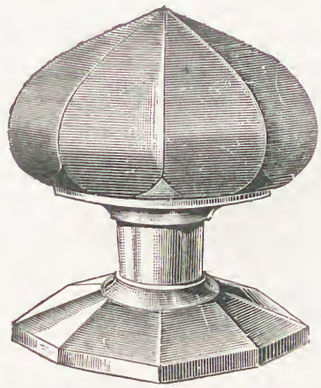


No. 6673. 2¾ in.

Cushion Top.

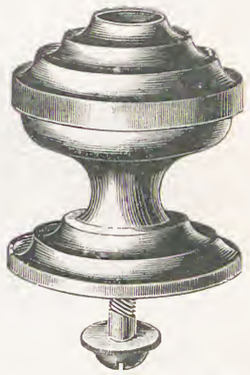
Polished Brass or Steel Bronzed and Relieved.

Price, 1/10 each.



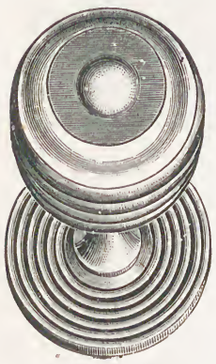
No. 6674. Gothic Pattern.

Sizes	2½	2¾	3 in.
Japanned Iron	**9d.**	**10d.**	**1/-** each.
Berlin Black or Relieved Varnish	**10d.**	**1/-**	**1/1** each.
Polished Brass	**2/3**	**3/-**	**3/6** each.



No. 6675. Cast Brass, Polished.

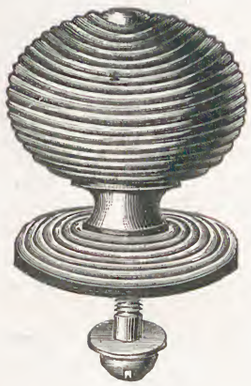
Sizes	2¾	3 in.
Price	**3/-**	**4/6** each.



No. 6676. Polished Brass.

Drawn One Third size.

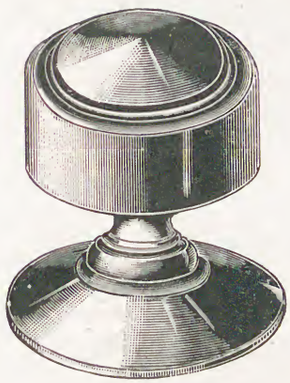
Sizes	2½	3 in.
Price	**4/3**	**5/-** each.



No. 6677. 2¾ in.

Polished Brass, or Steel Bronzed and Relieved.

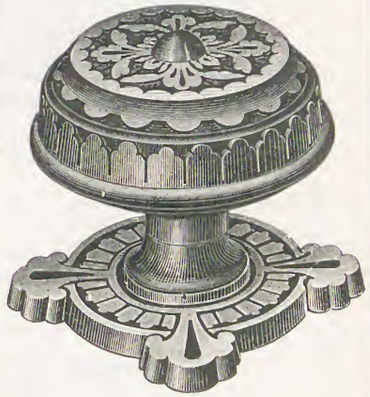
Price, 2/- each



No. 6678. Polished Brass.

Size, 3¾ in.

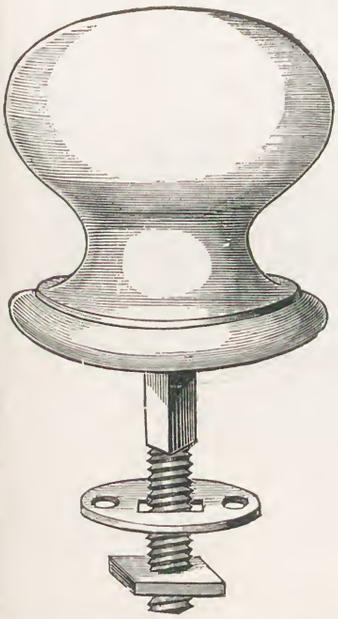
Price, 8/- each.



No. 6679. Size, 3 in.

Japanned Iron	**8d.** each.
Berlin Black or Relieved Varnish	**10d.** each.

CHINA CENTRE DOOR KNOBS.

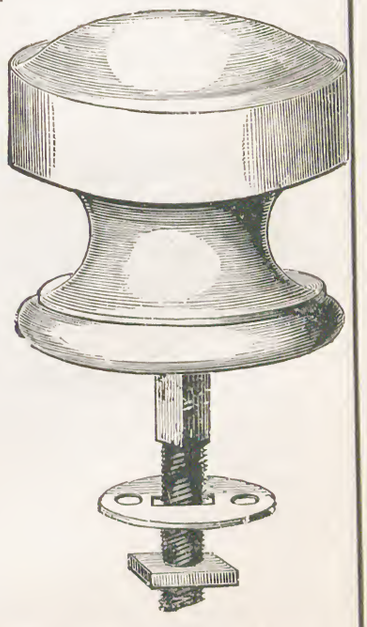


No. 6680. Plain.

Sizes.	White China.	Black China.	
2½ in	**9/9**	**11/9**	per doz.
2¾ in.	**10/9**	**12/9**	,,
3 in.	**11/9**	**13/9**	,,
3½ in.	**12/3**	**15/3**	,,

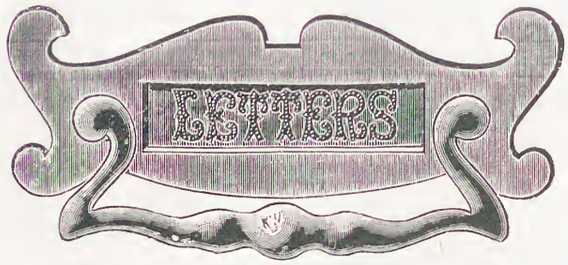
No. 6681. Cushion Top.

Sizes.	White China	Black China.	
2½ in.	**11/9**	**13/9**	per doz.
2¾ in.	**12/9**	**14/9**	,,
3 in.	**13/9**	**15/9**	,,
3½ in.	**15/3**	**17/3**	,,

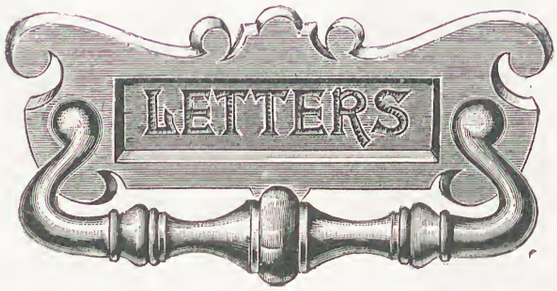


POLISHED BRASS POSTAL HANDLES.

DRAWN ONE-THIRD SIZE.



No. 6682. Polished Brass .. .. .. **3/6** each.



No. 6683 Polished Brass .. .. .. **5/6** each.



No. 6684. Polished Brass .. .. .. **4/-** each.



No. 6685. Polished Brass .. .. .. **5/9** each.



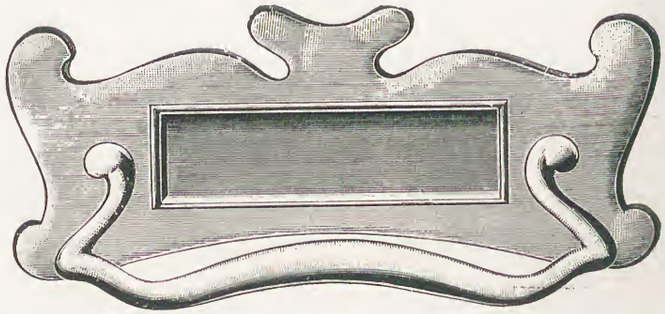
No. 6686. Polished Brass .. .. .. **4/6** each.



No. 6687. Polished Brass .. .. .. **6/6** each.



No 6688. Polished Brass .. .. .. **5/9** each.



No. 6689. Polished Brass .. .. .. **11/-** each.

Do., Gun-metal .. .. **14/9** ,,

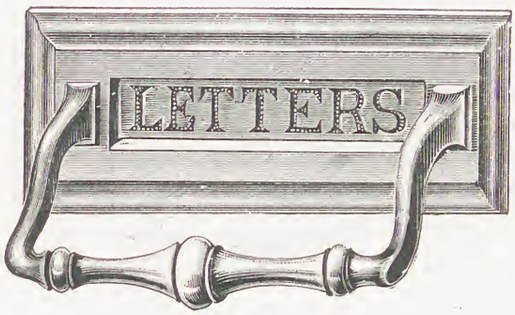
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

POLISHED BRASS POSTAL HANDLES.

Drawn one-third size.



No. 6690. Polished Brass .. **5/-** each.



No. 6691. Polished Brass .. **6/6** each.
„ Gun-metal .. .. **9/9** „



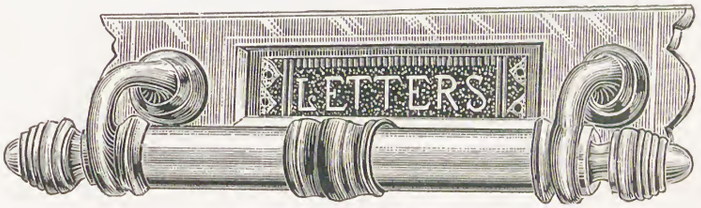
No. 6692. Polished Brass .. **12/6** each.



No. 6693. Polished Brass .. **16/6** each.
„ Coinage Metal .. **19/-** „



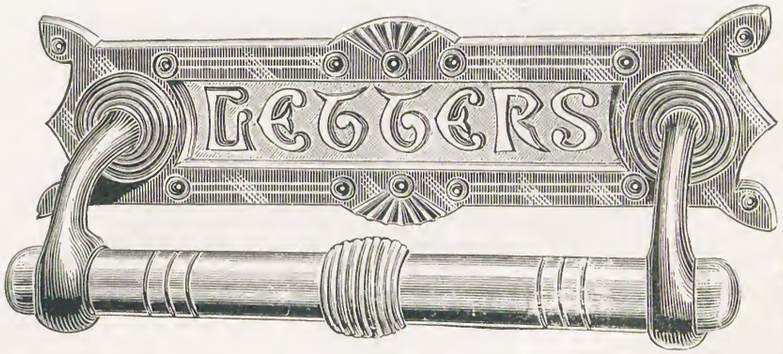
No. 6694. Polished Brass .. **5/9** each.



No. 6695. Polished Brass .. **8/6** each.



No. 6696. Polished Brass .. **6/6** each.
„ Coinage Metal .. **8/-** „

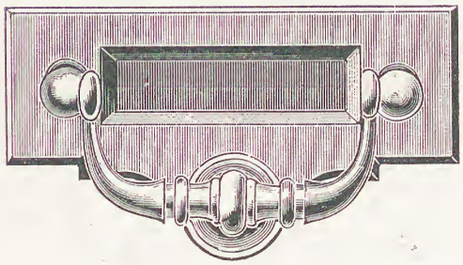


No. 6697. Polished Brass .. **11/3** each.

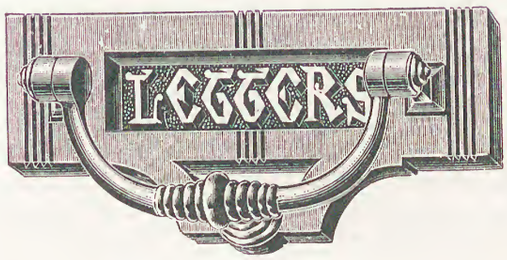
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

COMBINATION POSTAL HANDLES AND KNOCKERS.

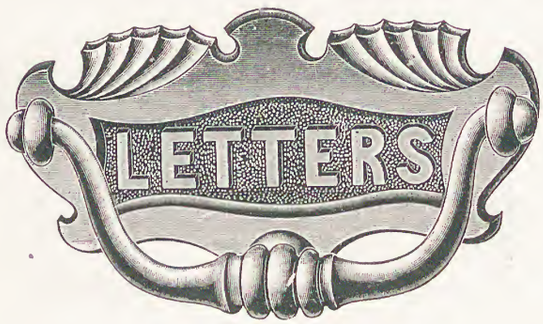
Drawn one-third size.



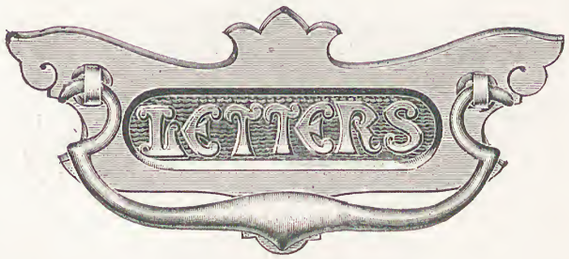
No. 6698. Polished Brass .. .. .. **4/-** each.



No. 6699. Polished Brass .. .. .. **3/6** each.



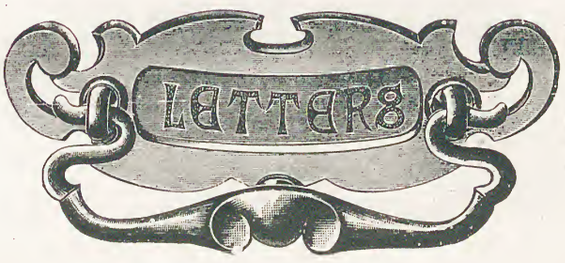
No. 6700. Polished Brass .. .. .. **3/3** each.



No. 6701. Polished Brass .. .. .. **4/-** each.



No. 6702. Polished Brass .. .. .. **6/-** each.

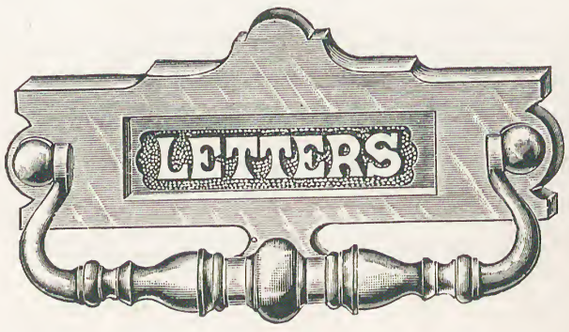


No 6703. Polished Brass .. .. .. **5/9** each.



No. 6704, Polished Brass.

8	$8\frac{3}{4}$	$9\frac{3}{4}$ ins.
3/6	**4/6**	**5/6** each.

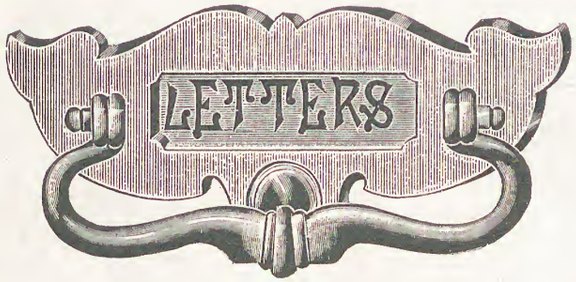


No. 6705. Polished Brass .. .. .. **4/9** each.

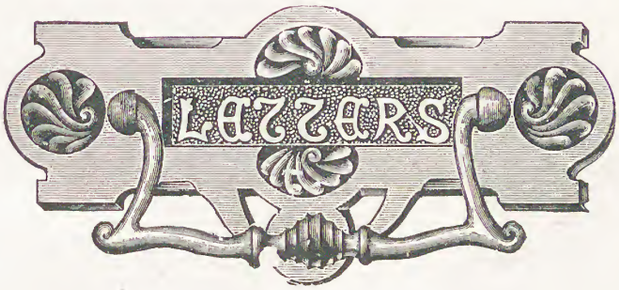
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

COMBINATION POSTAL HANDLES and KNOCKERS.

Drawings One Third Size.



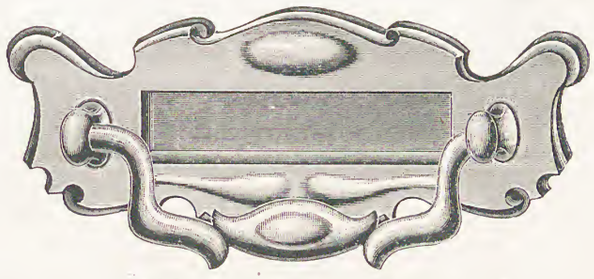
No. **6706**. Polished Brass, **6/6** each.
Coinage Metal, **8**/- each.



No. **6707**. Polished Brass, **7**/- each.



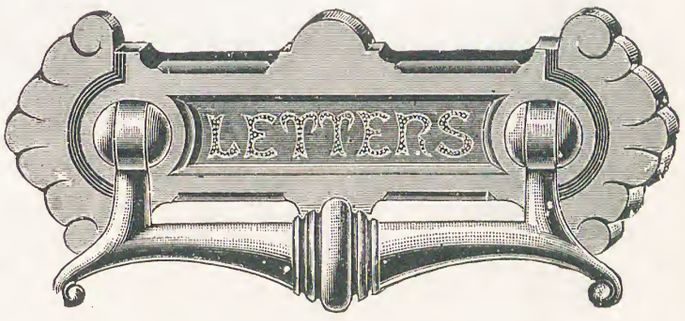
No. **6708**. Polished Brass, **8/6** each.



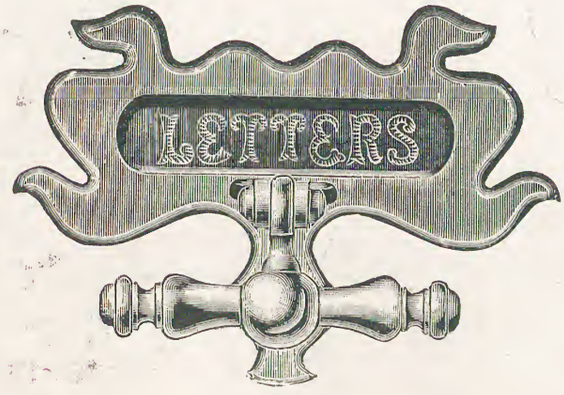
No. **6709**. Polished Brass, **12**/- each.



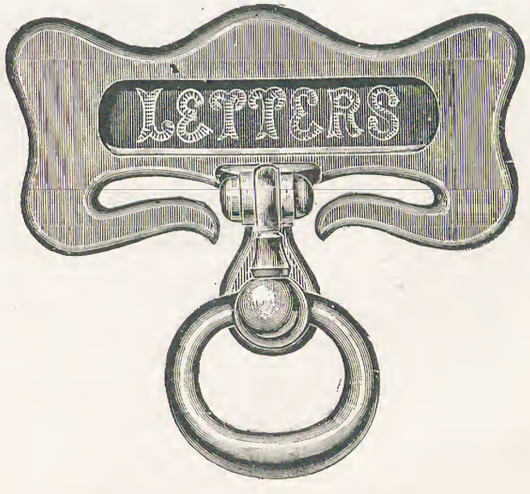
No. **6710**. Polished Brass, **5/9** each.
This one Drawn Half Size.



No. **6711**. Polished Brass, **11/6** each.



No. **6712**. Polished Brass, **5/6** each.

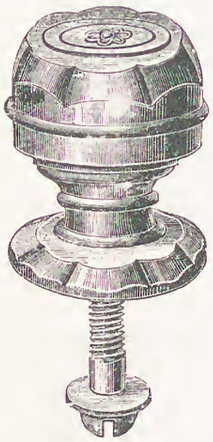


No. **6713**. Polished Brass, **5/6** each.

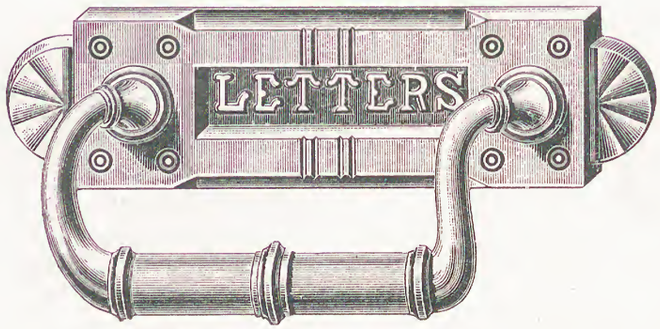
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

BRASS FRONT DOOR FURNITURE.

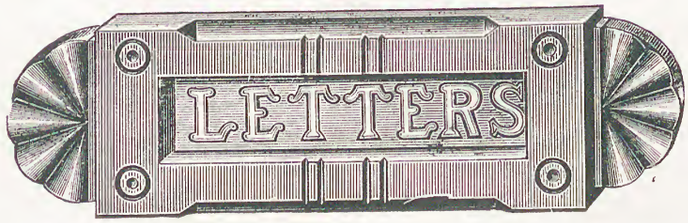
BEST FINISH, POLISHED.



No. 6715.
Centre Door Knob.
2½ ins. 3 ins.
4/6 **7/3** each.

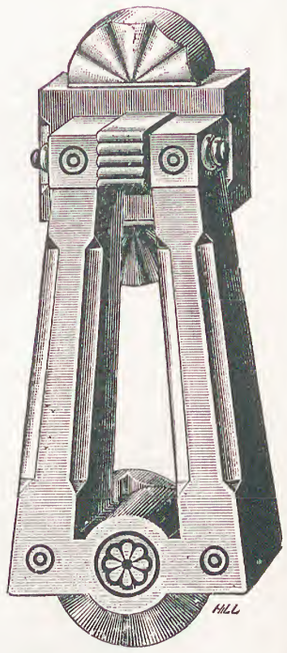


No. 6714. Postal Handle.
12/6 each.

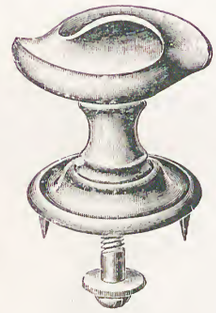


No. 6716. Letter Plate.
Sizes 7 8 10¾ ins.
3/9 **5/-** **7/6** each.

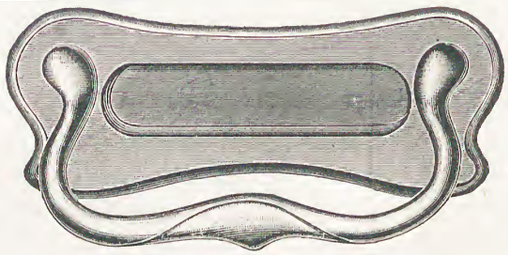
DRAWN ONE-THIRD SIZE.



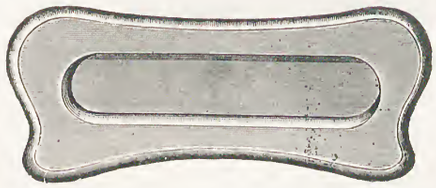
No. 6717. Knocker.
8¼ 10½ ins.
6/6 **11/-** each.



No. 6719.
Centre Door Knob.
5/- each.

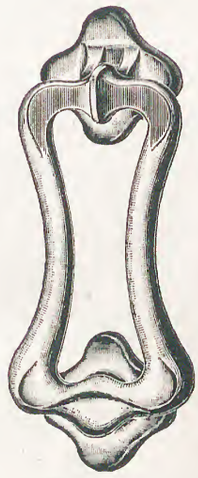


No. 6718. Postal Handle.
7/3 each.

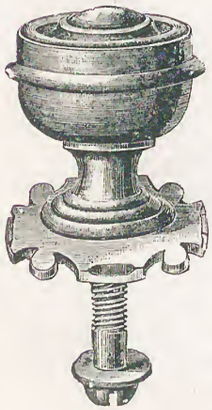


No 6720. Letter Plate, **2/9** each.

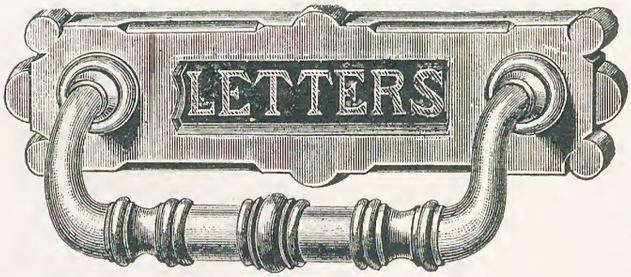
DRAWN ONE-THIRD SIZE.



No. 6721. Knocker.
6/3 each.



No. 6723.
Centre Door Knob.
5/9 each.

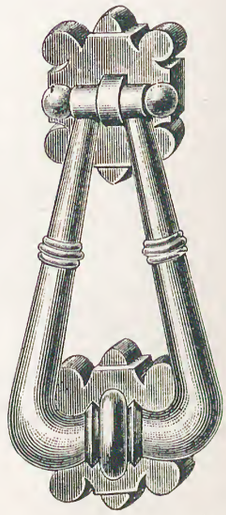


No. 6722. Postal Handle, **10/6** each.



No. 6724. Letter Plate, **3/9** each.

DRAWN ONE-THIRD SIZE.

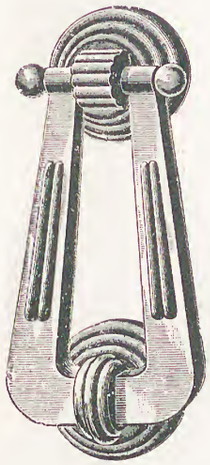


No. 6725. Knocker.
7/3 each.

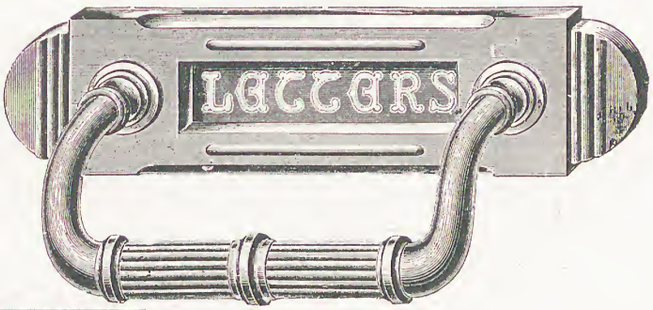
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

BRASS AND ROSE METAL FRONT DOOR FURNITURE.

BEST FINISH, POLISHED.



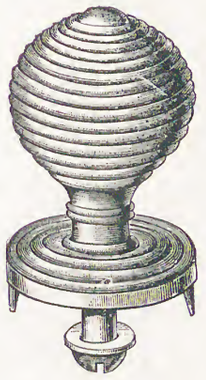
No. **6726**.
Brass Knocker.
8 in. **5/9** each.





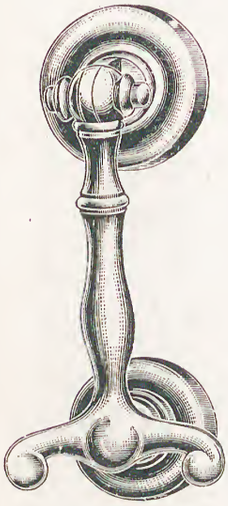
No. **6727**.
Brass Letter Plate.
$7\frac{1}{2}$ ins. **3/9** each.

No. **6728**.
Brass Postal Handle.
12/6 each.



No. **6729**.
Brass Centre Door Knob.
6/9 each.

DRAWN ONE-THIRD SIZE.



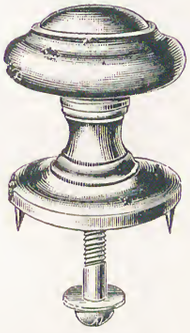
No. **6730**.
Knocker.
Brass .. **10/-** each.
Rose Metal **13/3** ,,





No. **6731**.
Letter Plate.
Brass .. . .. **4/6** each.
Rose Metal .. .. **6/9** ,,

No. **6732**.
Postal Handle.
Brass .. .. **11/9** each.
Rose Metal .. **16/9** ,,



No. **6733**.
Centre Door Knob.
$2\frac{3}{4}$ 3 ins.
Brass .. **5/-** **6/3** each
Rose Metal **6/3** **7/9** ,,

DRAWN ONE-THIRD SIZE.



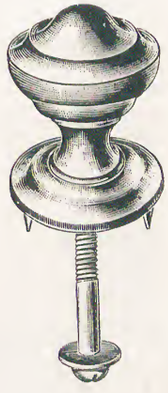
No. **6734**.
Brass Knocker.
4/6 each.





No. **6735**.
Brass Letter Plate.
2/6 each.

No. **6736**.
Brass Postal Handle.
5/6 each.

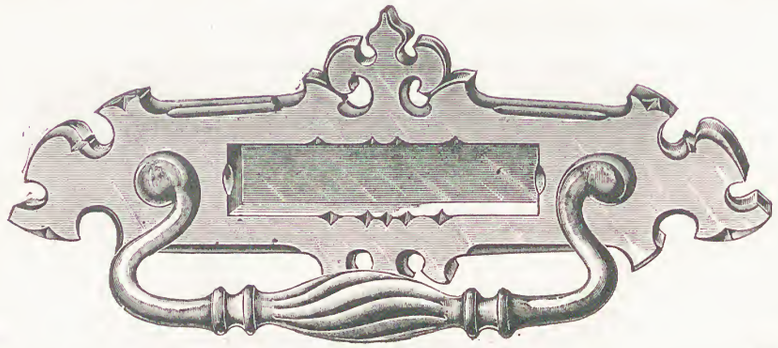


No. **6737**.
Brass Centre Door Knob.
3/3 each.

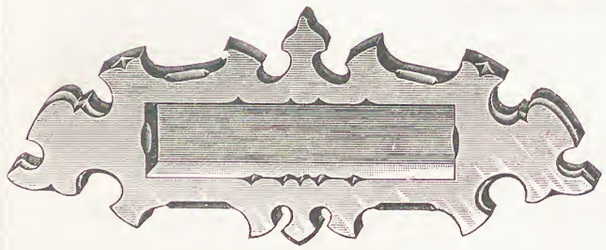
DRAWN ONE-THIRD SIZE.

Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

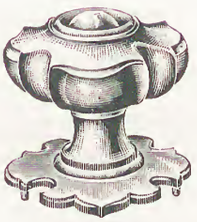
BRASS AND BRONZE METAL FRONT DOOR FURNITURE, BEST FINISH, POLISHED.



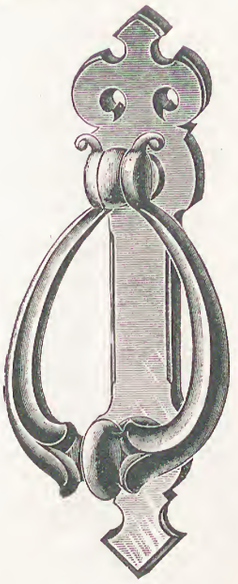
No. **6738**. Postal Handle.
Brass.. .. .. **13**/- each
Bronze Metal .. **16/3** „



No. **6739**.—Letter Plate.
Brass **4/3** Bronze Metal **5/6** each.



No. **6740**.
Centre Door Knob.
Brass .. **5/6** ea.
Bronze Metal **6/9** „

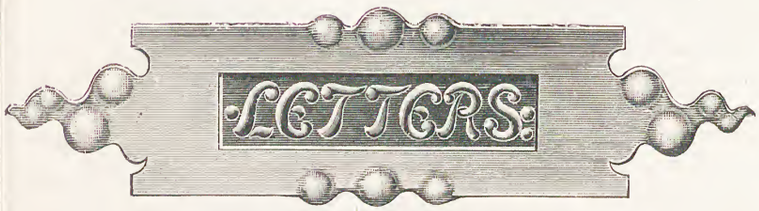


No **6741**.—Knocker.
Brass **7/9** Bronze Metal **9/9** each.

Drawn one-third size.



No. **6742**.—Postal Handle.
Coinage Metal .. **19**/- each

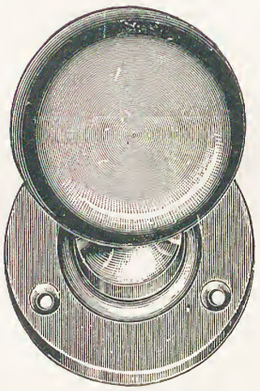


No. **6743**.—Letter Plate.

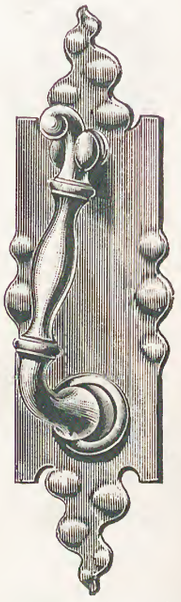
Sizes	12	14	16 ins.
Coinage Metal ..	**16/6**	**19**/-	**21/6** each.

[Drawn one-third size.]

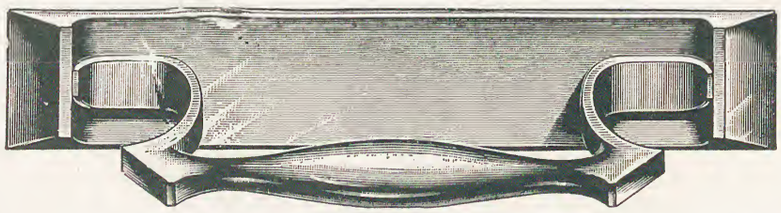
No. **6744**.



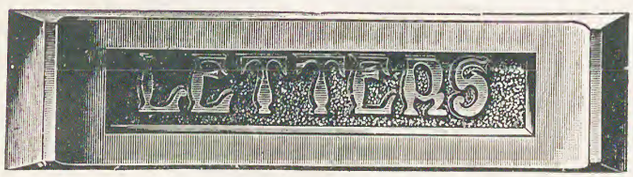
Centre Door Knob.
Coinage Metal **5**/- each



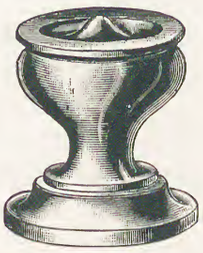
No. **6745**.—Knocker.
Coinage metal **14**/- each.



No. **6746**. Door Handle. Brass, **11/6** each.
No. **6746a**. Postal Handle to match. Brass, **13/6** each.



No. **6747**.—Letter Plate.
Brass **5/3** each.



No. **6748**.
Centre Door Knob.
Brass **4/3** each.



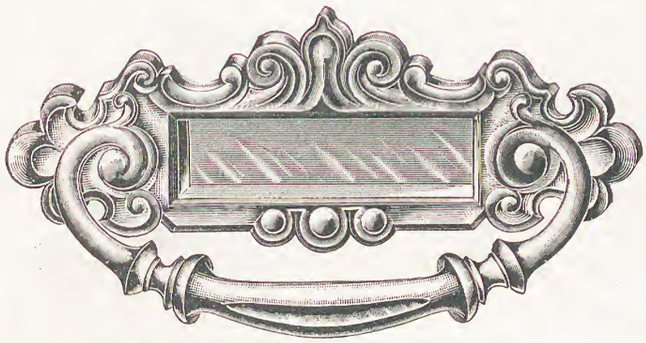
No. **6749**.—Knocker.
Brass **5/3** each.

Drawn one-third size.

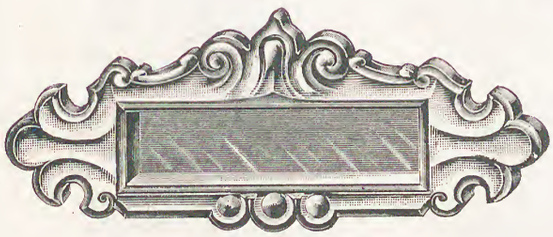
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

BRASS AND BRONZE METAL FRONT DOOR FURNITURE.

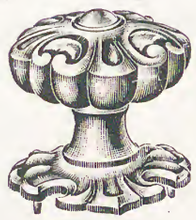
BEST FINISH, POLISHED.



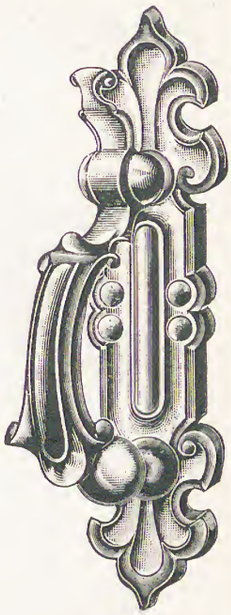
No. **6750**. Postal Handle.
Brass .. **13**/- each.
Bronze Metal **16**/- ,,



No. **6751.** Letter Plate.
Brass. Bronze Metal.
4/9 **6**/- each.

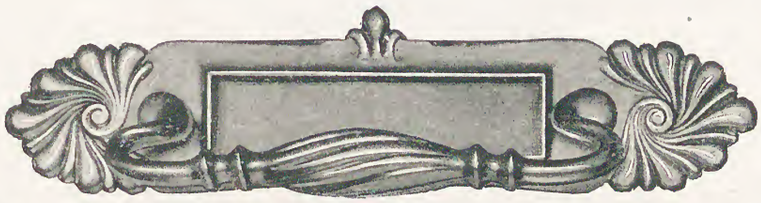


No. **6752**.
Centre Door Knob.
Brass .. **6**/- ea.
Bronze Metal **7/6** ,,

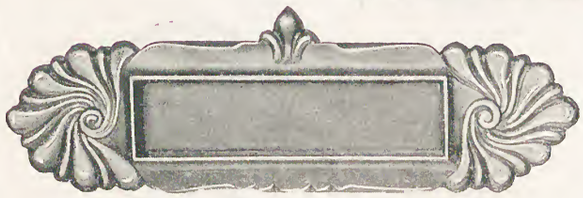


No. 6753. Knocker.
Brass ... **10**/- each.
Bronze Metal **12 6** ,,

DRAWN ONE-THIRD SIZE.



No. **6754**. Postal Handle.
Brass .. **13/9** each.
Bronze Metal **17/3** ,,



No. **6755**. Letter Plate.
Brass .. **5/6** each.
Bronze Metal **6/9** ,,



No. **6756**
Centre Door Knob.
Brass .. **6/9** ea.
Bronze Metal **8/6** ,,



No. 6757. Knocker.
Brass ... ... **8/6** each.
Bronze Metal **10/6** ,,

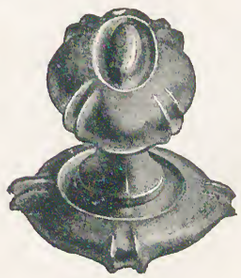
DRAWN ONE-THIRD SIZE.



No. **6758** Postal Handle.
Brass .. **15**/- each.
Bronze Metal **18/9** ,,



No. **6759**. Letter Plate.
Brass .. **5/3** each.
Bronze Metal **6/6** ,,



No. **6760**.
Centre Door Knob.
Brass .. **7/3** ea.
Bronze Metal **9**/- ,,



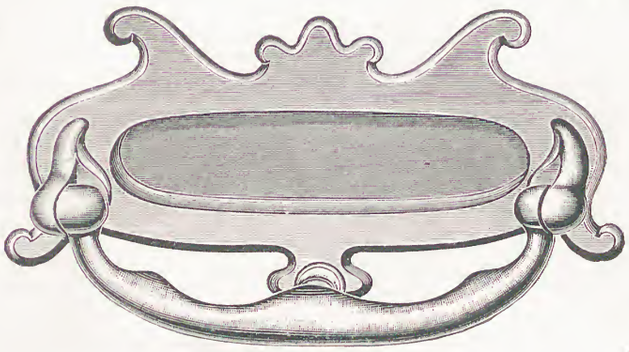
No. 6761. Knocker.
Brass ... ... **8/6** each.
Bronze Metal ... **11**/- ,,

DRAWN ONE-THIRD SIZE.

Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

BRASS AND ROSE METAL FRONT DOOR FURNITURE.

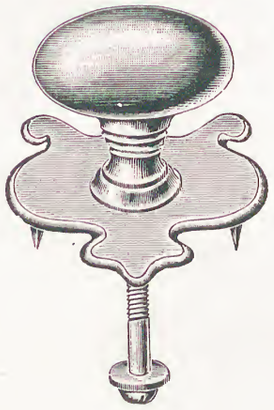
BEST FINISH, POLISHED.



No. **6762.** Postal Handle.

Brass. **14/9**

Rose Metal. **22/-** each.

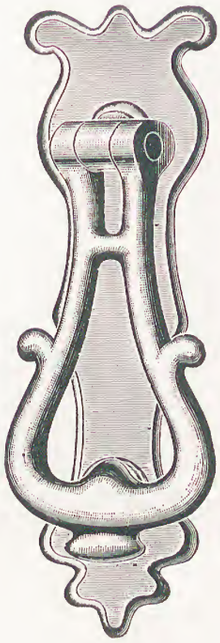


No. **6765.**

Centre Door Knob.

Brass .. **7/3** each.

Rose Metal .. **11/-** „

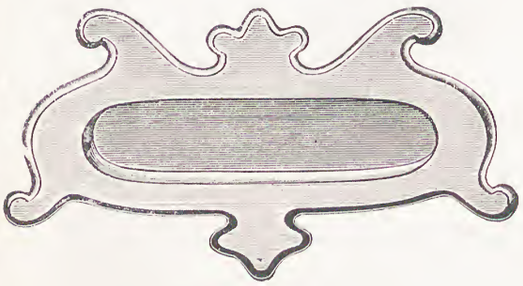


No. **6766.**

Knocker.

Brass .. **12/9** each.

Rose Metal **18/3** „



No. **6763.** Letter Plate.

Brass. **5/6**

Rose Metal. **8/6** each.



No. **6764.**

Electric Push.

Brass .. **5/6** each.

Rose Metal .. **7/3** „

Drawn one-third size.



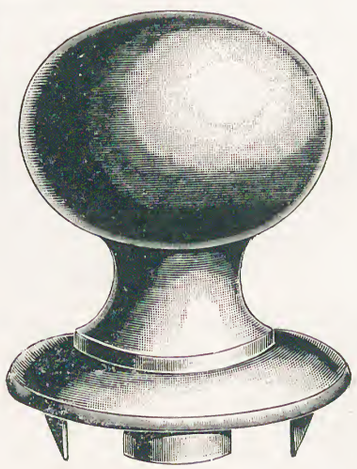
No. **6767.** Postal Handle.

Brass, **7/6** each.



No. **6768.** Letter Plate.

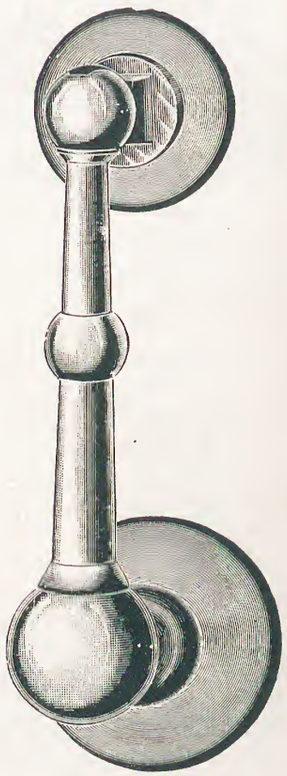
Brass, **2/6** each.



No. **6769.**

Centre Door Knob.

Brass, **6/9** each.



No. **6770.**

Knocker.

Brass, **9/9** each.

Drawn half size.

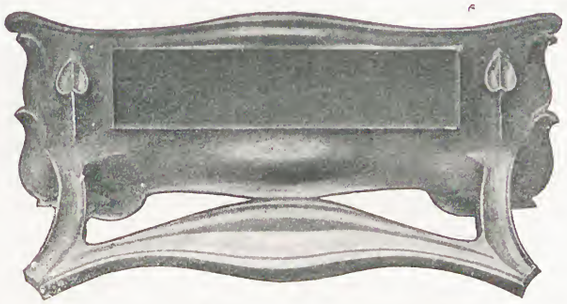
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

BRASS AND COINAGE METAL FRONT DOOR FURNITURE.

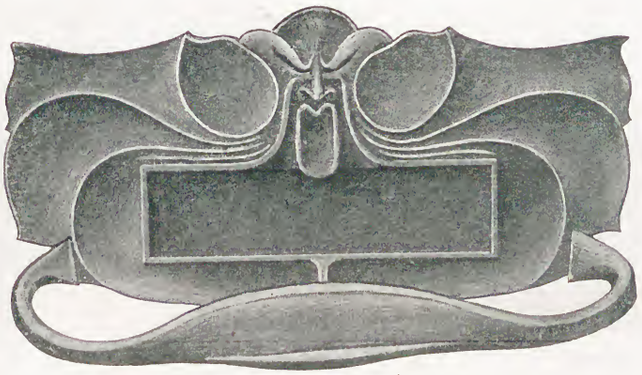
BEST FINISH, POLISHED. **REGISTERED DESIGNS.**



No. **6771.**—Knocker.
Brass, **11/** each.

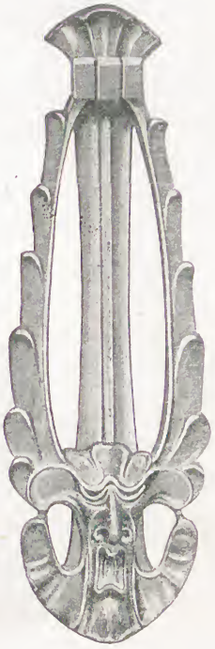


No. **6772.**—Postal Handle.
Brass, **13/6** each.



No. **6773.**—Postal Handle.
Brass, **23/-** each.

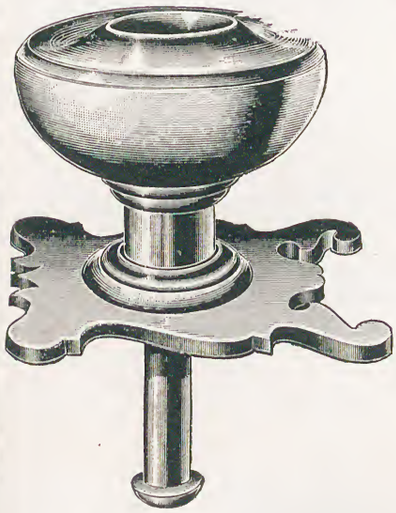
Drawn one-third size.



No. **6774.**—Knocker.
Brass, **13/6** each.

THE "JACOBEAN" FRONT DOOR SUITE.

(Registered.)



No. **6775.**—Centre Door Knob.

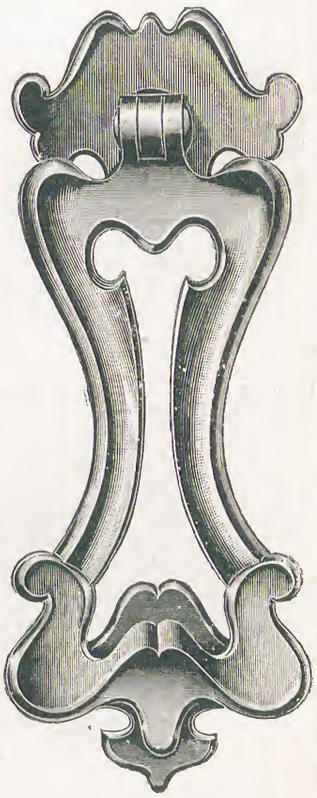
Brass.	Coinage Metal.
12/6	**13/9** each.



No. **6776.**—Letter Plate.

Brass.	Coinage Metal.
10/-	**11/3** each.

Drawn half size.



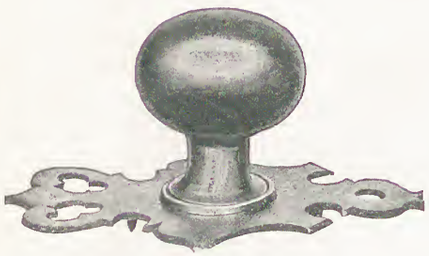
No. **6777.**—Knocker.

Brass.	Coinage Metal.
12/6	**13/9** each.

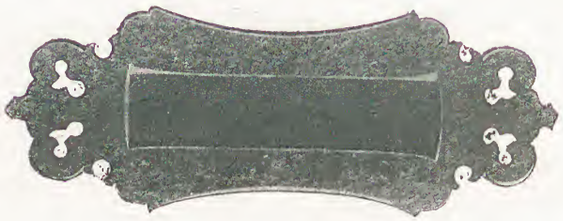
Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

NEW SUITES OF BRASS ENTRANCE DOOR FURNITURE.

BEST FINISH, POLISHED.



No. **6778.**
Centre Door Knob. **8/6** each



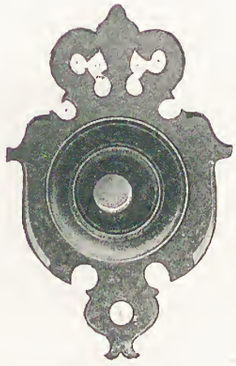
No. **6779.**
Letter Plate. **5/9** each.



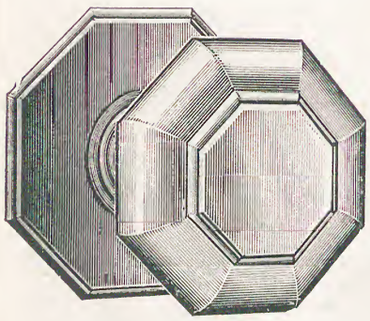
No. **6782.**
Knocker. **13**/- each.



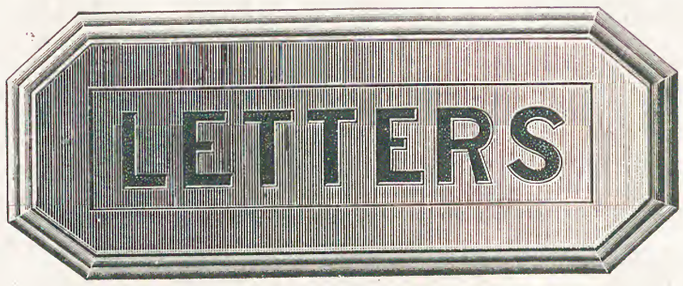
No. **6780.**
Postal Handle. **19**/- each.



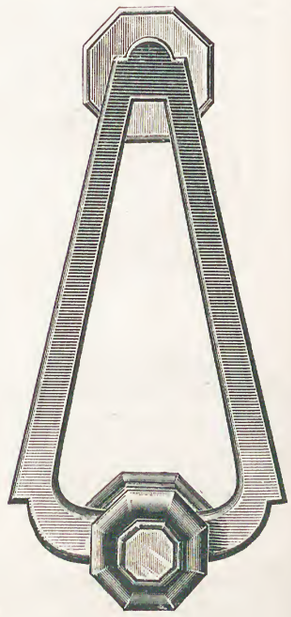
No. **6781.**
Electric Push.
Drawn one-third size. **6**/- each.



No. **6783.**
Centre Door Knob. **8/9** each.



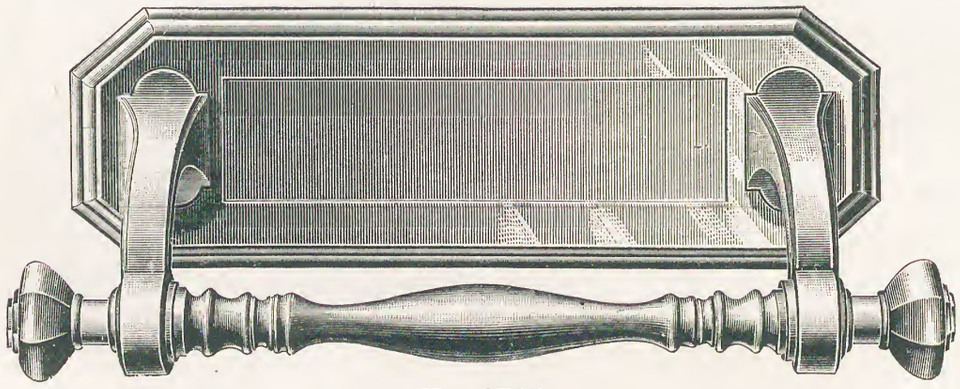
No. **6784.**
Letter Plate. **7/3** each.



No. **6786.**
Knocker. **8/3** each.

No. **6787.**
Electric Push. $4\frac{1}{2}$ ins.
8/- each.

No. **6788.**
Bell Pull. $4\frac{1}{2}$ ins.
(Straight pull)
8/- each.

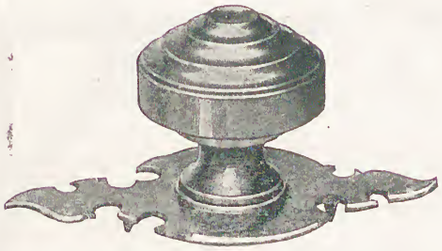


No. **6785.**
Postal Handle. **15/6** each
Drawn half size.

Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

NEW SUITES OF BRASS ENTRANCE DOOR FURNITURE.

BEST FINISH, POLISHED.



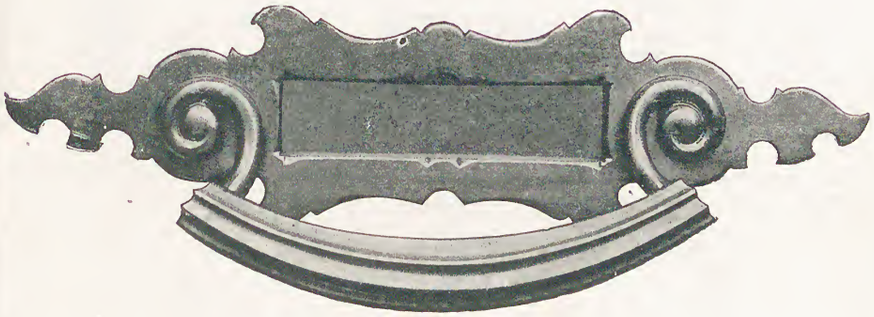
No. **6789**. Centre Door Knob.
7/6 each.



No. **6790**. Letter Plate.
4/9 each.



No. **6793**.
Knocker.
11/- each.



No. **6791**. Postal Handle.
20/6 each.

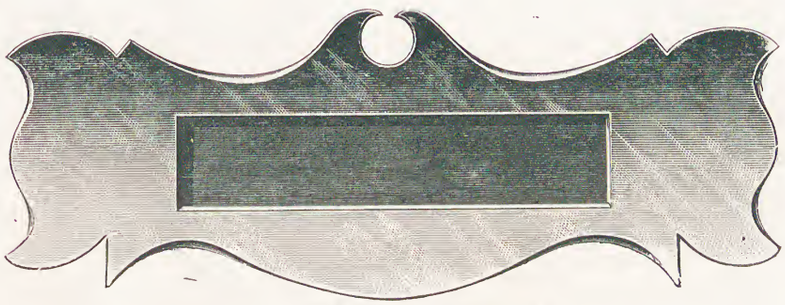


No. **6792**
Electric Push.
7/- each.

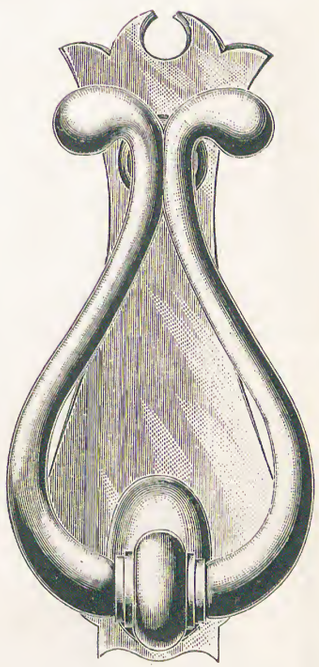
Drawn one-third size.



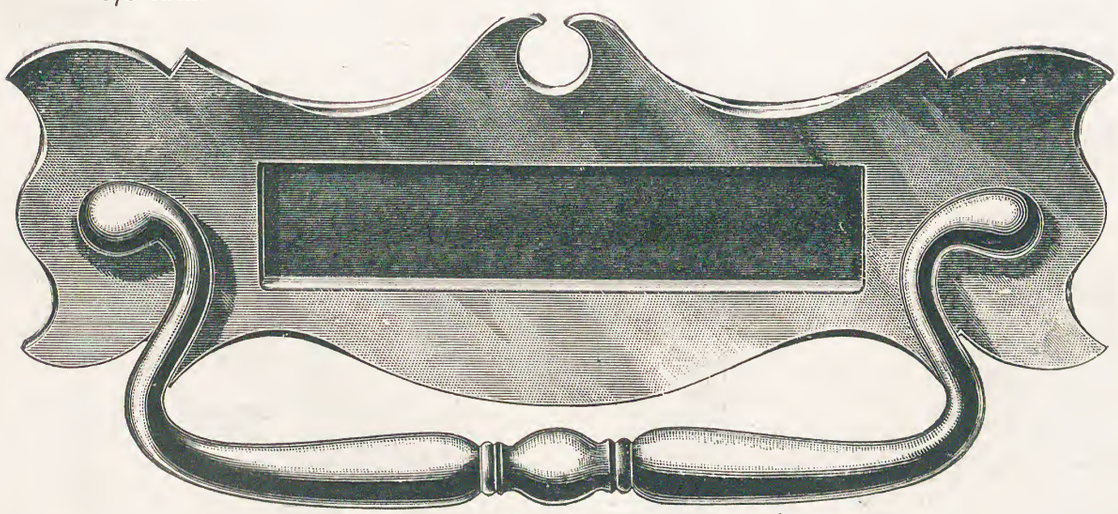
No. **6794**. Centre Door Knob.
9/3 each.



No. **6795**. Letter Plate.
6/9 each.



No. **6797**. Knocker.
9/3 each.



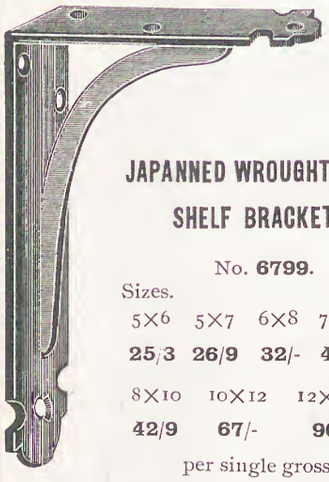
No. **6796**. Postal Handle. **15/6** each.

No. **6798**. Bell Pulls (Straight Pull) 4 in., **9/3**; 5 in., **10/6**; 6 in., **11/9** each.

Drawn half size.

Any of above can be finished in Antique Copper Bronzed or other Bronzes to suit customers' requirements.

IRON AND BRASS BRACKETS—Various.



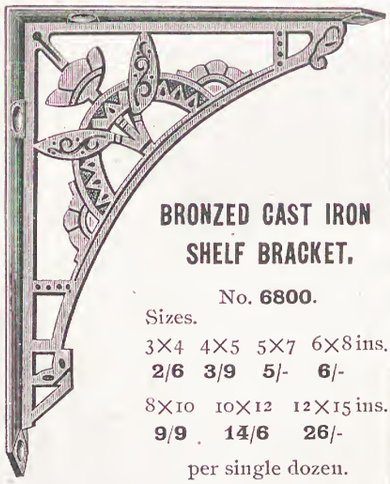
JAPANNED WROUGHT STEEL SHELF BRACKET.

No. **6799.**

Sizes.

5×6	5×7	6×8	7×9 ins.
25/3	**26/9**	**32/-**	**40/-**
8×10	10×12	12×14 ins.	
42/9	**67/-**	**96/-**	

per single gross.



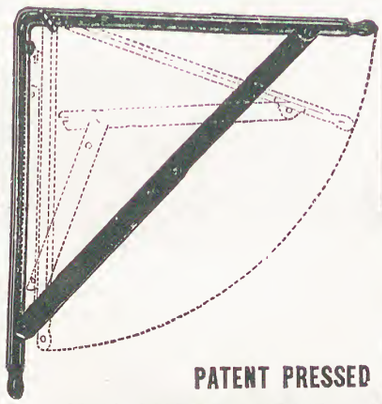
BRONZED CAST IRON SHELF BRACKET.

No. **6800.**

Sizes.

3×4	4×5	5×7	6×8 ins.
2/6	**3/9**	**5/-**	**6/-**
8×10	10×12	12×15 ins.	
9/9	**14/6**	**26/-**	

per single dozen.

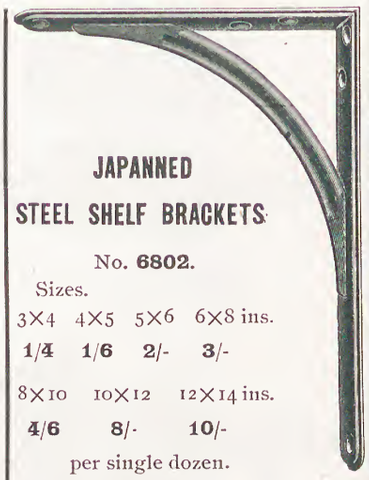


PATENT PRESSED STEEL FOLDING BRACKET.

No. **6801.** Black Enamel Finished.

Sizes, 8×8 12×12 16×16 ins.

17/- 27/- 41/- per doz. pairs.



JAPANNED STEEL SHELF BRACKETS.

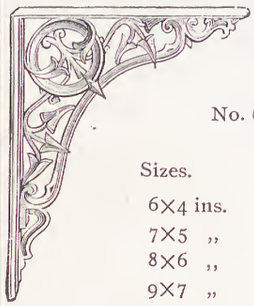
No. **6802.**

Sizes.

3×4	4×5	5×6	6×8 ins.
1/4	**1/6**	**2/-**	**3/-**
8×10	10×12	12×14 ins.	
4/6	**8/-**	**10/-**	

per single dozen.

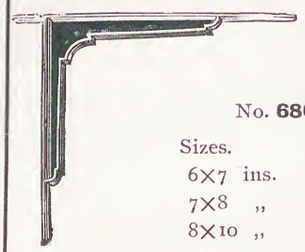
CAST IRON SHELF BRACKET.



No. **6803.**

Sizes.	Per dozen.
6×4 ins.	**2/9**
7×5 ,,	**3/-**
8×6 ,,	**3/3**
9×7 ,,	**4/-**
10×8 ,,	**5/9**
12×10 ,,	**8/9**
14×12 ,,	**10/-**

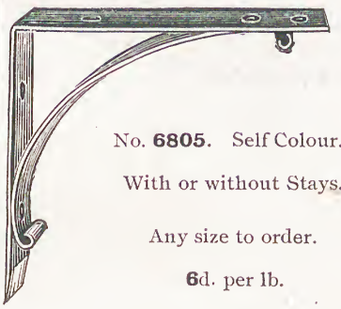
STRONG CAST IRON BRACKET.



No. **6804.**

Sizes.	Per dozen.
6×7 ins.	**3/6**
7×8 ,,	**4/-**
8×10 ,,	**5/-**
10×12 ,,	**6/6**
12×14 ,,	**8/6**
14×17 ,,	**9/6**
16×20 ,,	**12/-**
18×24 ,,	**14/-**

WROUGHT IRON BRACKET.



No. **6805.** Self Colour.

With or without Stays.

Any size to order.

6d. per lb.

Quantities at **50**/- per cwt.

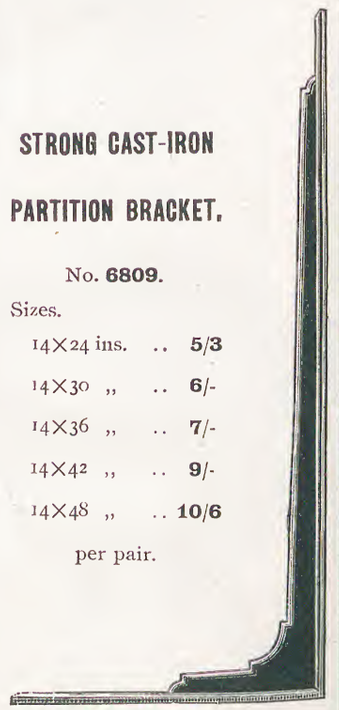
STRONG CAST-IRON PARTITION BRACKET.

No. **6809.**

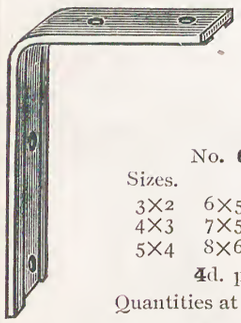
Sizes.

14×24 ins. ..	**5/3**
14×30 ,, ..	**6/-**
14×36 ,, ..	**7/-**
14×42 ,, ..	**9/-**
14×48 ,, ..	**10/6**

per pair.



TINNED IRON ANGLE BRACKET.



No. **6806.**

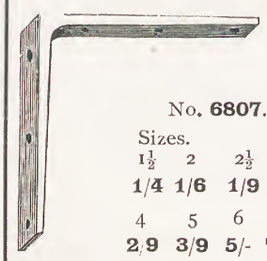
Sizes.

3×2	6×5	9×7 ins.
4×3	7×5	10×8 ,,
5×4	8×6	12×10 ,,

4d. per lb.

Quantities at **30**/- per cwt.

MALLEABLE IRON BRACKET.



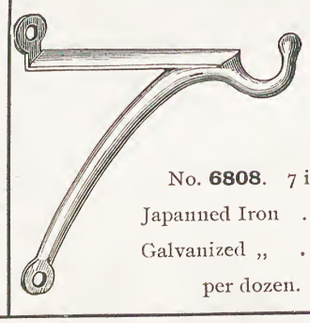
No. **6807.** Black.

Sizes.

1½	2	2½	3	3½ ins.
1/4	**1/6**	**1/9**	**2/3**	**2/6**
4	5	6	7	8 10 ins.
2/9	**3/9**	**5/-**	**7/-**	**9/- 16/-**

per dozen.

FIRE BUCKET BRACKET.



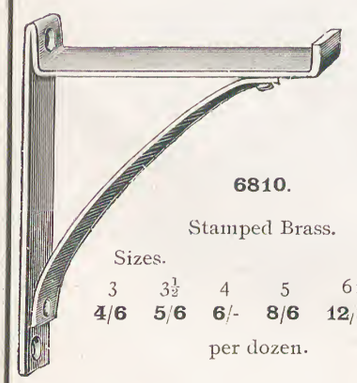
No. **6808.** 7 ins.

Japanned Iron .. **8/-**

Galvanized ,, .. **10/-**

per dozen.

POLISHED BRASS SHELF BRACKETS.



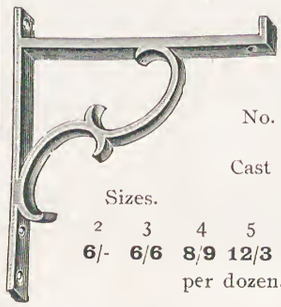
6810.

Stamped Brass.

Sizes.

3	3½	4	5	6 ins.
4/6	**5/6**	**6/-**	**8/6**	**12/3**

per dozen.



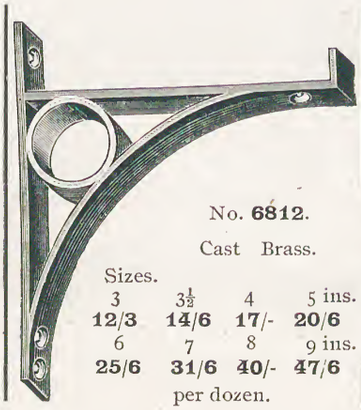
No. **6811.**

Cast Brass.

Sizes.

2	3	4	5	6	8 ins.
6/-	**6/6**	**8/9**	**12/3**	**15/3**	**22/-**

per dozen.



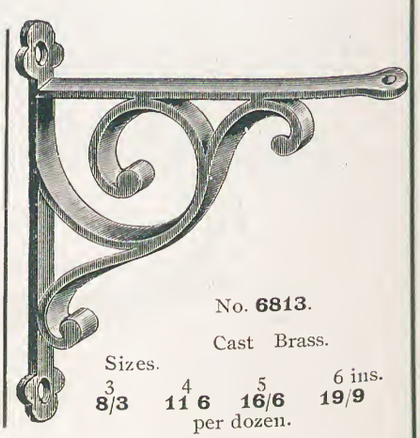
No. **6812.**

Cast Brass.

Sizes.

3	3½	4	5 ins.
12/3	**14/6**	**17/-**	**20/6**
6	7	8	9 ins.
25/6	**31/6**	**40/-**	**47/6**

per dozen.



No. **6813.**

Cast Brass.

Sizes.

3	4	5	6 ins.
8/3	**11 6**	**16/6**	**19/9**

per dozen.

WARDROBE AND HAT AND COAT HOOKS (IRON).



No. **6814**. Size $2\frac{1}{4}$ ins.
Japanned Iron .. .. **6/6** gross.
Nickel-plated on Iron **19/-** ,,



No. **6815**.
Double Wardrobe. Japanned Iron.
6/- gross.



No. **6816**. Dress Hook.
Two-hook, Japanned Iron, **13/-** gross.
Three ,, ,, **21/-** ,,



No. **6817**.
Malleable. Japanned Iron.
Sizes $1\frac{1}{2}$ 2 $2\frac{1}{2}$ $2\frac{1}{2}$ 3 $3\frac{1}{2}$ ins.
1/- **1/4** **1/7** **1/10** **2/9** **3/3** doz.



No. **6818**. Fancy.
Bronzed or Black Iron. **1/-** dozen.



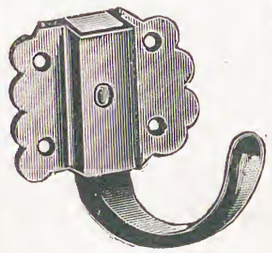
No. **6819**. Wire.
Sizes 2×$1\frac{1}{2}$ 2×$2\frac{1}{2}$ 2×3 ins.
9/- **11/-** **13/-** gross.



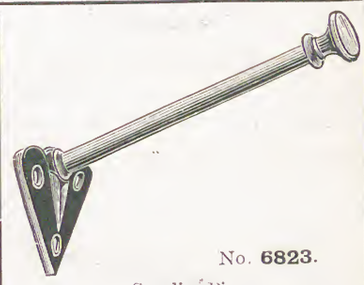
No. **6820**. Wire.
3 inches high.
2 inch projection.
Japanned **2/3** dozen.



No. **6821**. Iron.
Bright Black Japanned.
6/6 gross.
Drawn Half Size.



No. **6822**. Iron. Art Black.
5/- dozen.
Drawn Half Size.



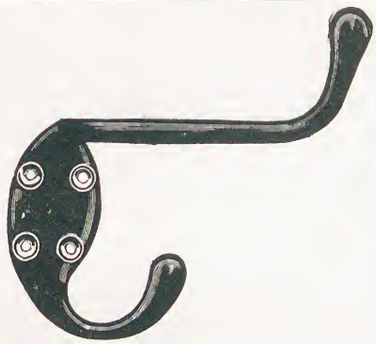
No. **6823**.
Surplice Pin.
Sizes .. 4 $4\frac{1}{2}$ 5 ins.
Japanned Iron **6/-** **6/6** **7/-** gross.
Malleable .. **2/9** **3/-** **3/6** doz.



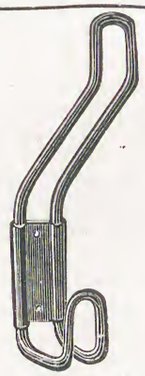
No. **6824**.
Japanned Cast Iron **1/6** doz.
Malleable .. **2/9** ,,
Nickel-plated on Iron **3/6** ,,



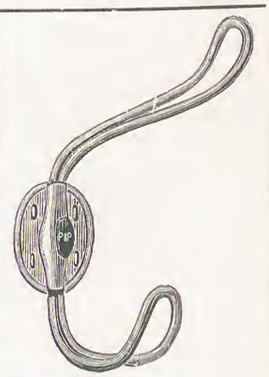
No. **6825**. Fancy.
Maroon Bronzed Iron.
1/- dozen.



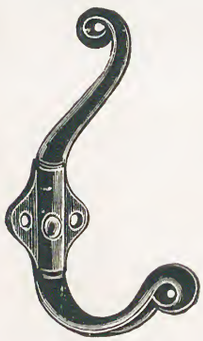
No. **6826**.
Best Finish. Nickel-plated on Iron.
32/- gross.
Drawn Half Size.



No. **6827**. Wire.
School Board Hook.
Sizes 5×$1\frac{1}{2}$ 5$\frac{1}{2}$×$1\frac{3}{4}$ 7×2 ins.
11/- **11/6** **19/-** gross.



No. **6828**. Wire.
Japanned. $5\frac{1}{2}$ × 3 ins.
2/6 dozen.



No. **6829**.
Black Japanned Iron. $5\frac{1}{4}$ ins
10/6 gross.



No. **6830**. Wrot Iron for Oak Furniture. 7 ins.
5/6 dozen.



No. **6831**. Japanned Iron Strong "Barrack" Hook. $7\frac{1}{2}$ ins. high.
5/6 dozen.



No. **6832**. Iron. Numbered.
White or Brass Raised Figures.
$7\frac{1}{2}$ ins. high. **4/6** dozen.



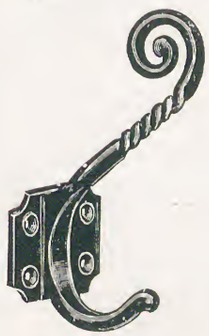
No. **6833**. Iron. Numbered.
Raised $\frac{7}{8}$ in. White Figures.
5/6 dozen.



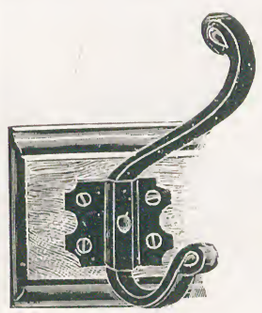
No. **6834**. Malleable Iron.
$6\frac{7}{8}$ ins. Berlin Black.
7/9 dozen.



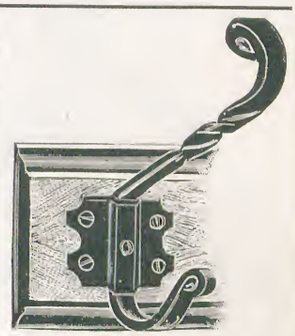
No. **6835**. Malleable Iron.
$7\frac{1}{4}$ ins. Berlin Black.
7/9 dozen.



No. **6836**.
Art Black Iron. $5\frac{1}{2}$ ins.
5/6 dozen.

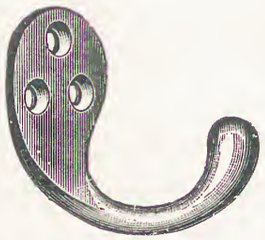


No. **6837**.
Wrot Iron and Copper.
6/- dozen.

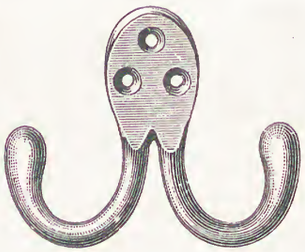


No. **6838**.
Wrot Iron and Copper.
8/- dozen.

POLISHED BRASS WARDROBE, DRESS AND HAT HOOKS, &c.



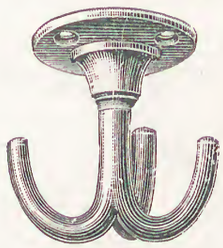
No. **6839.** Cast Brass.
Sizes 1½ 1¾ 2 2¼ ins.
2/3 **3/3** **4/6** **5/6** per doz.



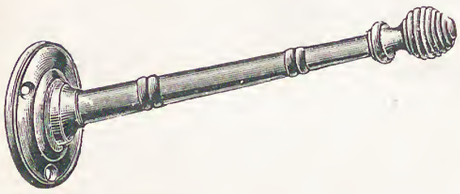
No. **6840.** Cast Brass Double Wardrobe Hook.
Medium. Strong.
5/- **9/-** per doz.
Drawn half size.



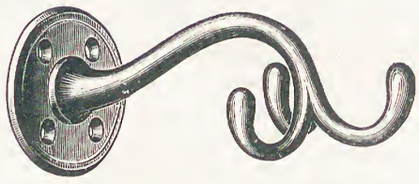
No. **6841.**
Screw-up Dress Hook.
Sizes 1½ 1¾ 2 2¼ ins.
3/3 **3/9** **5/3** **6/6** per doz.



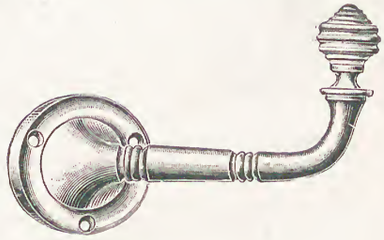
No. **6842.**
Screw-up Dress Hook.
2 Hook 3 Hook.
6/- **7/3** per dozen.
Drawn half size.



No. **6843.** Hat Hook.
Size 4½ ins. **10/-** per dozen.

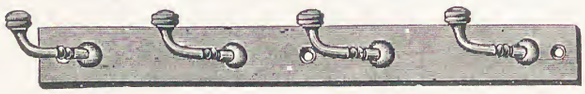


No. **6844.** Coat Hook.
16/9 per dozen. Drawn half size.



No. **6845.** Hat Hook.
Sizes 2 2½ 3 3½ 4 ins.
6/- **7/3** **8/-** **9/-** **11/-** per doz.

BRASS WARDROBE HOOKS.

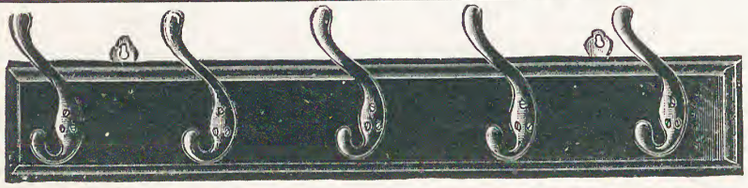


No. **6846.** Registered.
3 4 5 6 Hooks.
Rail and Hooks. **17/-** **22/-** **29/-** **32/9** per dozen.

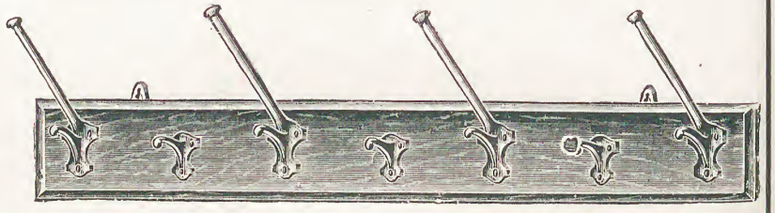
BRASS WARDROBE HOOKS.



No. **6847.** Rail and Hooks.
3 Hooks **25/3** 4 Hooks **30/3** per dozen.

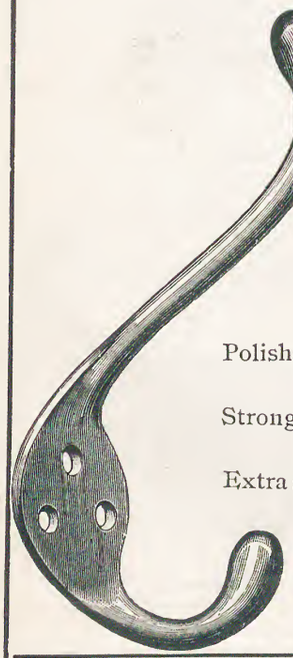


No. **6848.** French Polished Mahogany Board, 36×4 ins., with 5 Strong Polished Brass Hat and Coat Hooks .. .. **9/3** each.

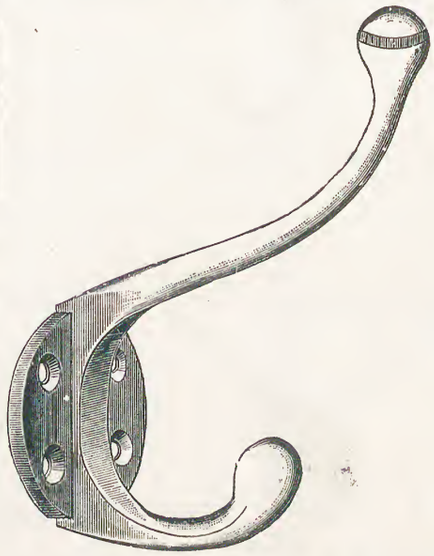


No. **6849.** French Polished Oak Board, with Superior Polished Brass Hat and Coat Hooks .. .. **15/-** each.

POLISHED BRASS HAT AND COAT HOOKS.



No. **6850**
Polished .. **7/-** per dozen.
No. **6851.**
Stronger .. **8/-** per dozen.
No. **6852.**
Extra strong **9/9** per doz

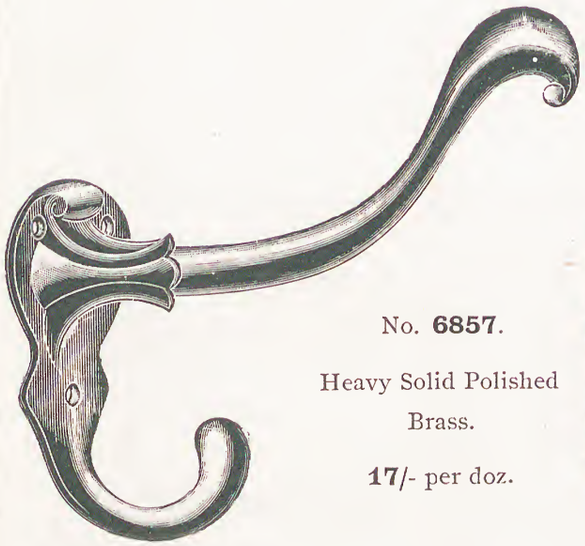


No. **6853.** Polished .. **8/6** per doz.
,, **6854** Stronger .. **11/6** ,,
,, **6855.** Extra Strong **17/-** ,,



No. **6856.**
Polished.
Extra Strong
and
well finished
for good work.
21/6 per doz.

POLISHED BRASS HAT AND COAT HOOKS.



No. **6857**.

Heavy Solid Polished Brass.

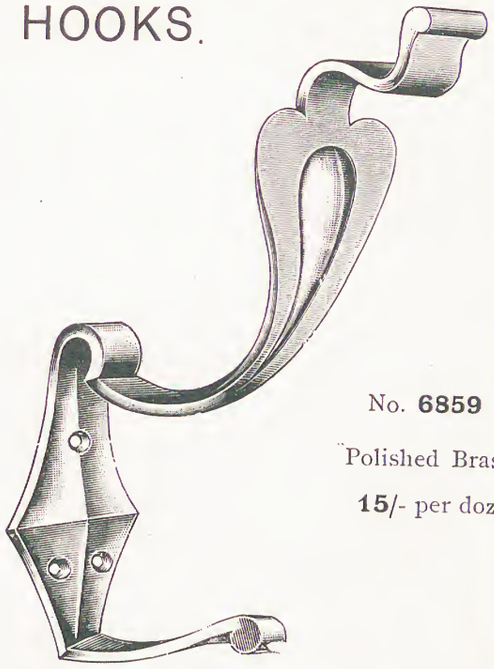
17/- per doz.



No. **6858**.

Heavy Solid Polished Brass

16/- per doz.

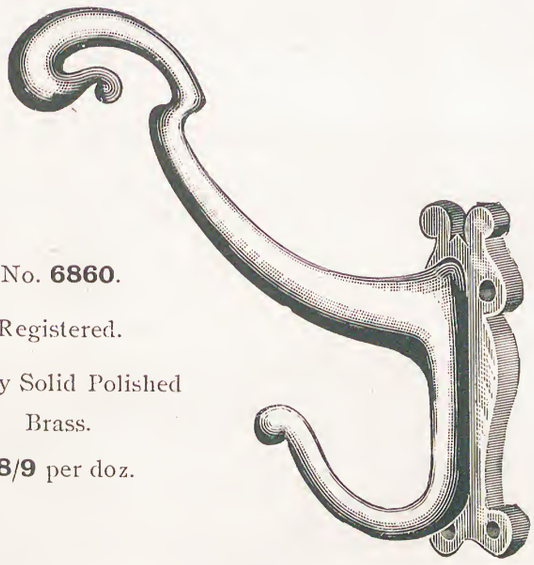


No. **6859**

Polished Brass.

15/- per doz.

Drawn half size.

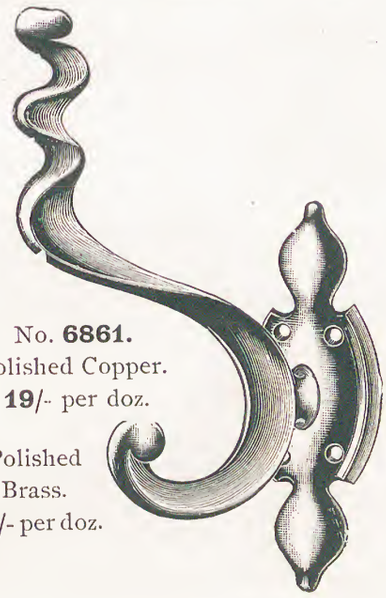


No. **6860**.

Registered.

Heavy Solid Polished Brass.

18/9 per doz.



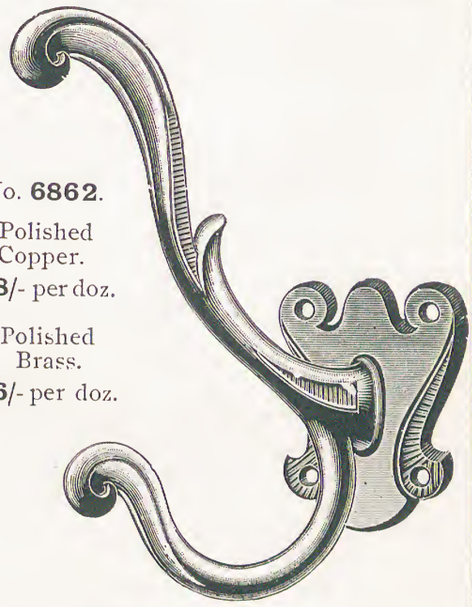
No. **6861**.

Polished Copper.

19/- per doz.

Polished Brass.

17/- per doz.



No. **6862**.

Polished Copper.

18/- per doz.

Polished Brass.

16/- per doz.

Drawn half size.

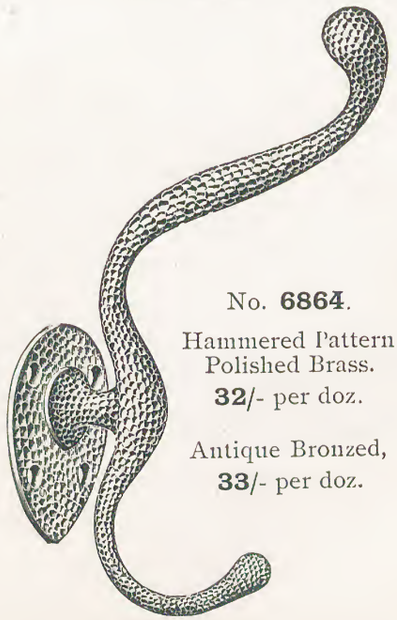


No. **6863**.

Heavy Solid Polished Brass.

25/6

per doz.



No. **6864**.

Hammered Pattern Polished Brass.

32/- per doz.

Antique Bronzed,

33/- per doz.



No. **6865**.

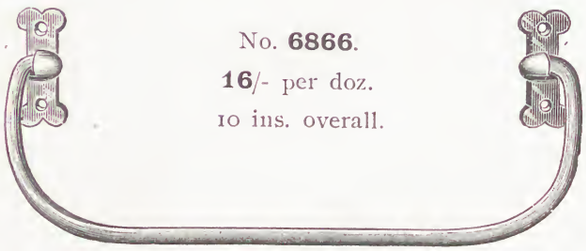
Heavy Solid Polished Brass.

36/6 per doz.

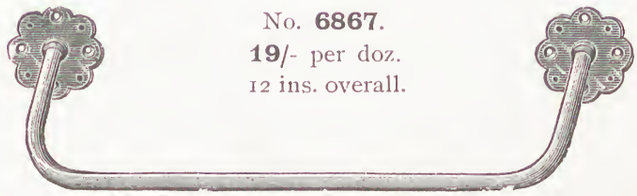
Drawn half size.

POLISHED BRASS UMBRELLA HOLDERS & IRON PANS.

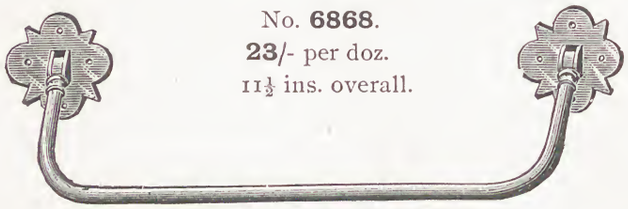
Drawn quarter size.



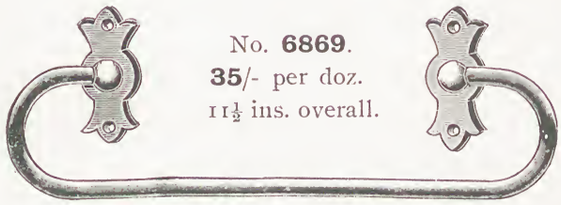
No. **6866**.
16/- per doz.
10 ins. overall.



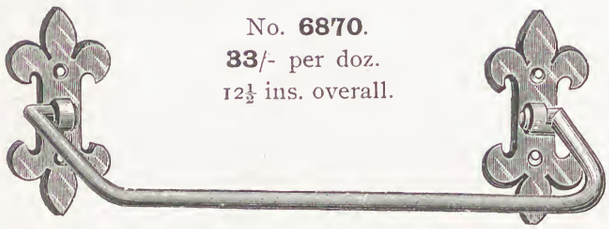
No. **6867**.
19/- per doz.
12 ins. overall.



No. **6868**.
23/- per doz.
11½ ins. overall.



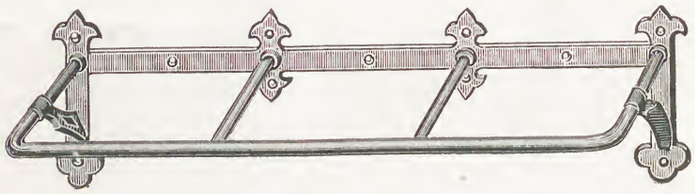
No. **6869**.
35/- per doz.
11½ ins. overall.



No. **6870**.
33/- per doz.
12½ ins. overall.



No. **6871**.
60/- per doz.
12 ins. overall.



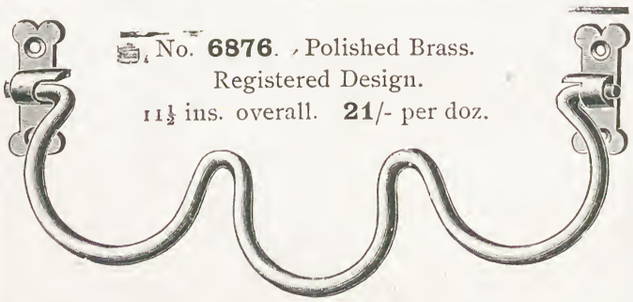
No. **6872**. 2 ft 4 ins. long.
Bronzed Brass, **26**/- each. Polished Brass, **28/6** each.
Cast Iron Troughs for same No. **6873**. } 15 in. **6/9** each, 24 in. **10/9** each



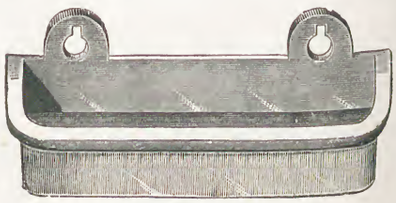
No. **6874**. Malleable Iron Berlin Black.
Sizes, 7 8 9 10 11 12 13 14 15 16 in.
14/- **15**/- **16**/- **17**/- **17**/- **18**/- **19**/- **19**/- **20**/- **21**/- per doz.
Measured outside of Rail.



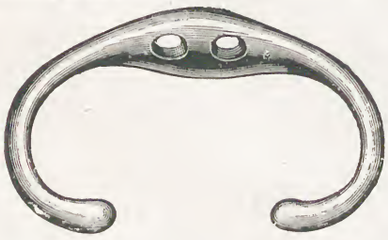
No. **6875**. Cast Iron
9 ins. overall.
16/- per doz.



No. **6876**. Polished Brass.
Registered Design.
11½ ins. overall. **21**/- per doz.

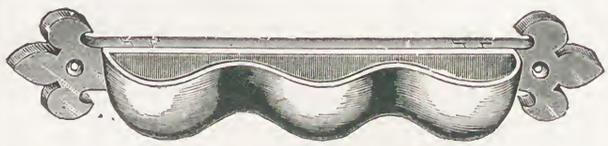


No. **6877**. Cast Iron.
7 8 10 12 in.
9/- **10/3** **12/9** **15/6** per doz.
If white inside, **4**/- doz. extra.

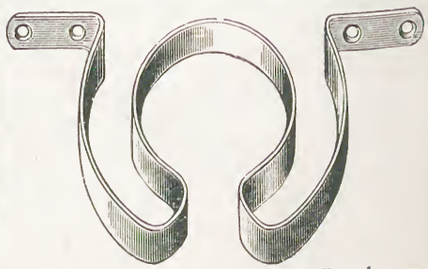


No. **6878**. Polished Brass Umbrella Holders.
10/6 per doz.
Drawn full size.

No. **6879**. Three Hooks on Brass Plate.
17 ins. long, **3/9** each.

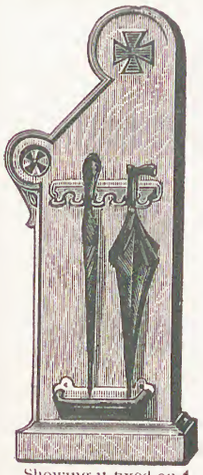


No. **6880**. Cast Iron.
12 ins. overall.
15/- per doz.

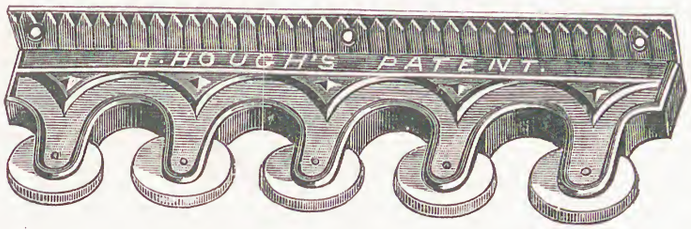


No. **6881** Japanned Steel.
5/- per doz.
Drawn half size.

HOUGH'S PATENT UMBRELLA & STICK HOLDER.



Showing it fixed on Pew End.



Projects only three inches, and may be attached to counters and projections, or in corners and recesses of all kinds. The action is simple, effective, and noiseless. Each umbrella secured separately. May be made to receive any number of umbrellas. Pan sent with each holder.

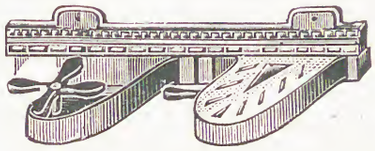
No. 6882. Holders with Pans complete.

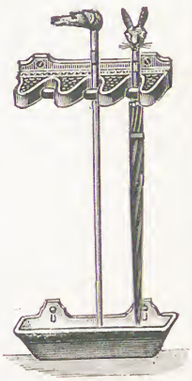
	1	2	3	4	5	6 holes.
Bronzed Iron ...	24/-	32/-	40/-	48/-	61/3	72/- per doz.
Brass	48/-	66/6	88/-	112/-	136/-	160/- ,,

Wood Blocks for fixing same to Brick or Plaster Walls.

For	1	2	3	4	5	6 holes.
	10/9	10/9	10/9	12/-	13/6	16/- per doz.

TURNSTILE UMBRELLA RACK.





Occupies the smallest possible space. Does not interfere with anything. No stumbling over it. Nothing to get out of order. Every umbrella or stick has its own compartment, and therefore, the thrusting of one umbrella into another is entirely avoided. Can be easily fixed anywhere.

No. 6883. Holders with Pans complete.

In Blue Steel, Victoria Bronze, Brass, or Nickel-plate.

To hold	1	2	3	4	5	6	
As above	3/3	4/9	6/-	7/3	8/6	10/9	each.
If Polished Bronze	2/6	4/-	5/-	6/3	7/6	9/-	,,
If Gold Bronze	2/-	3/6	4/9	6/-	7/3	8/6	,,

Pat. No. 12,296.

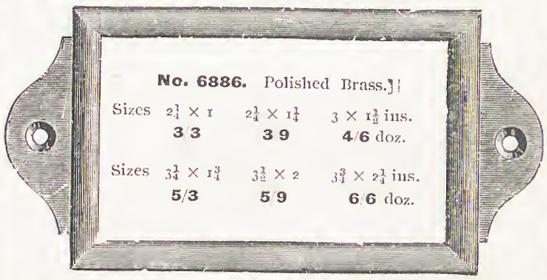
CARD HOLDERS FOR PEWS.



No. 6884. Enamelled Iron.
2/- per doz.
Drawn half size.

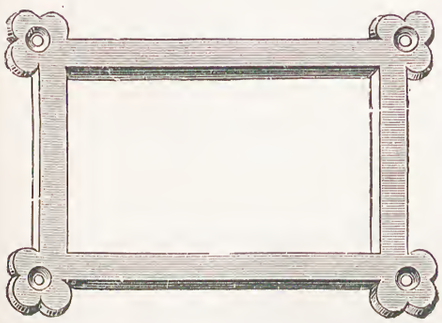


No. 6885. Polished Brass.
Sizes, $3\frac{1}{4} \times 1\frac{1}{4}$ ins.
7/- per doz.



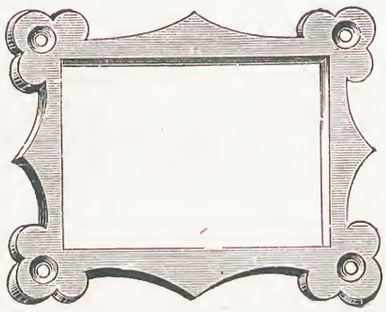
No. 6886. Polished Brass.

Sizes	$2\frac{1}{4} \times 1$	$2\frac{1}{4} \times 1\frac{1}{4}$	$3 \times 1\frac{1}{2}$ ins.
	3/3	3/9	4/6 doz.
Sizes	$3\frac{1}{4} \times 1\frac{3}{4}$	$3\frac{1}{2} \times 2$	$3\frac{3}{4} \times 2\frac{1}{4}$ ins.
	5/3	5/9	6/6 doz.



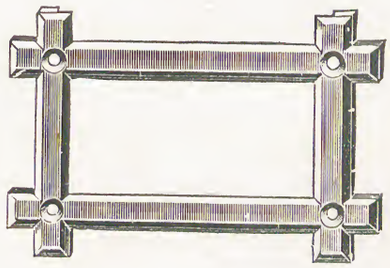
No. 6887. Polished Brass.

Sizes ...	$2\frac{1}{4} \times 1\frac{1}{2}$	$2\frac{1}{2} \times 1\frac{1}{2}$	$3 \times 1\frac{1}{2}$ ins.
	4/-	4/6	4/9 doz.
Sizes ...	$3 \times 1\frac{3}{4}$	3×2	$3 \times 2\frac{1}{4}$ ins.
	5/-	5/3	6/6 doz.



No. 6888. Polished Brass.

Sizes ...	3×2	$3\frac{1}{4} \times 2\frac{1}{4}$	$3\frac{1}{2} \times 2\frac{3}{8}$ ins.
	8/-	9/-	10/3 doz.

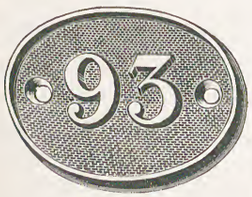


No. 6889. Polished Brass.

Sizes	$3 \times 1\frac{1}{2}$ ins.	$3\frac{3}{4} \times 2\frac{3}{4}$ ins.
	9/-	9/6 doz.

PEW NUMBER PLATES.

Brass.

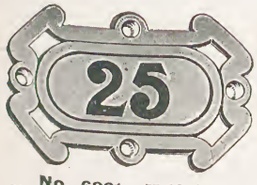


Sizes **No. 6890.**

$1\frac{1}{2}$	$2\frac{1}{2}$	3 ins.
4/6	11/-	15/6 doz.

PEW NUMBER PLATES.

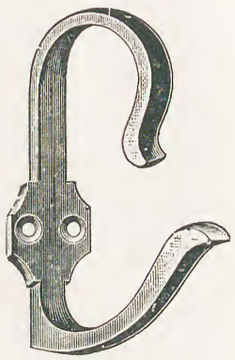
Polished Brass.



No. 6891. Half size.

Single.	Double.	Treble.
11/9	15/6	19/6 doz.

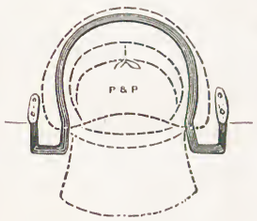
POLISHED BRASS PEW HOOKS.



No. 6894.
Drawn half size.
5/9 doz.

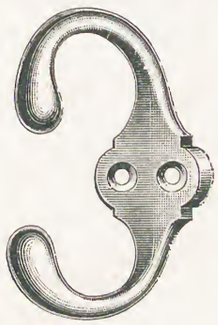
THE "SECURE" HAT SUPPORT.

For use in Churches, Public Halls, etc.



No. 6895.
To Screw under a Seat or Shelf.
Japanned Iron ... ... 10/6 doz.
Requires only 10 in. seat.

POLISHED BRASS PEW HOOKS.



No. 6896.
Drawn half size.
7/9 doz.

PEW NUMBER PLATES.

Brass.



No. 6892
Drawn half size.
10/6 doz.

PEW NUMBER PLATES.

Polished Brass.



No. 6893.

Single.	Double.	Treble.
11/9	15/6	19/6 doz.

CHURCH MATTINGS Supplied to Order. Patterns submitted.

ALTAR RAILS AND STANDARDS.—Scale ¾ in. to 1 ft.



No. **6897**. Standard.
Iron and Brass .. **54**/- each.
All Brass, Polished **85**/- ,,

No. **6898**. Wood Railing to suit above from **3/9** per foot.



No. **6899**. Standard.
To take 2½ in Round Railing.
Iron and Brass .. **72**/- each.
All Brass, Polished . **126**/- ,,

No. **6900**. Round Brass Railing to suit, **9**/- per foot.



No. **6901**. Standard.
Iron .. .. **51**/- each.
Iron and Brass . **70**/- ,,
All Brass, Polished **105**/- ,,

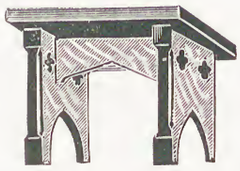
No. **6902**. Brass Railing as shown. **9/9** per foot.

READING DESKS AND STOOLS.



No. **6903**. Wood Reading Desk.

Oak .. .. **19**/- each.
Without Carving **11/3** ,,

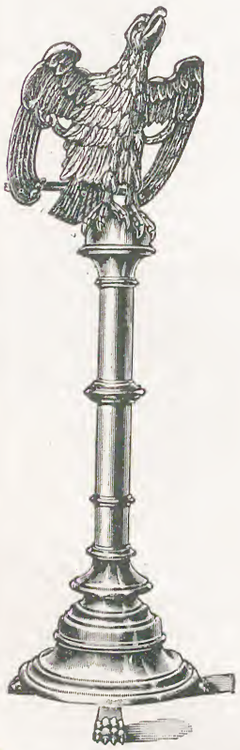


No. **6904**. Stool.
20×13×13 ins.
Pitch Pine .. **15/9** each.
Oak .. .. **21/9** ,,
Upholstered .. **16/6** extra.



No. **6905**. Reading Desk.
Polished Brass. Top 14×11 ins.
Price—85/6 each.
With Telescopic Slide.

ALL BRASS LECTERNS (Polished).

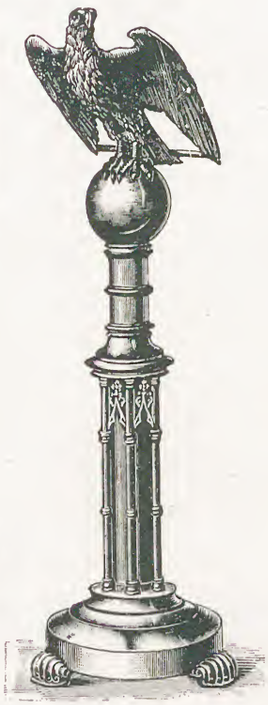


No. **6906**.

£30 17s. 6d.

Each.

Bookrest Revolves.



No. **6907**.

Height 5 ft. 2¼ ins.

Height to Bookrest 4 ft. 3 ins.

Price—

£53 10s. 0d.

Each.

Bookrest Revolves.



No. **6908**.

Height 5 ft 9 ins.

Height to Bookrest 4 ft. 5½ ins.

No. **6908**.

As Drawn,

£100 each.

No. **6909**.

With Claw feet,

£89 10s. each.

Bookrest Revolves.

The Designs shown are only a selection of the Lecterns we supply. Any special device can be made.

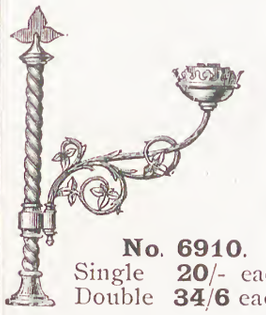
BRASS PULPITS.—DESIGNS SUBMITTED, OR ARCHITECTS' OWN DRAWINGS CARRIED OUT.

ECCLESIASTICAL GOODS OF EVERY DESCRIPTION.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

GAS AND CANDLE FITTINGS FOR CHURCHES.

POLISHED BRASS PULPIT LIGHTS AND GAS BRACKETS.

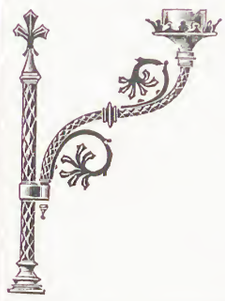


No. 6910.
Single **20**/- each.
Double **34/6** each.

Drawn one-eighth size.



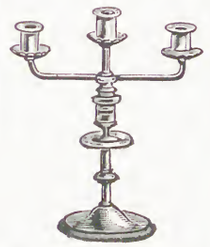
No. 6911.
As drawn.
20/- each.



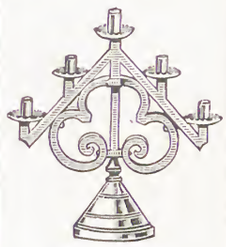
No. 6912.
For Gas.
Single Double.
33/9 **49/6**
each.

No. 6913.
For Candle.
Single. Double.
30/- **46/6**
each.

POLISHED BRASS CANDLESTICKS,



No. 6914. 3-Light.
Height 12½ ins. **12/9** each
No. 6915. 1 Light.
Height 8 ins. **5/6** each.



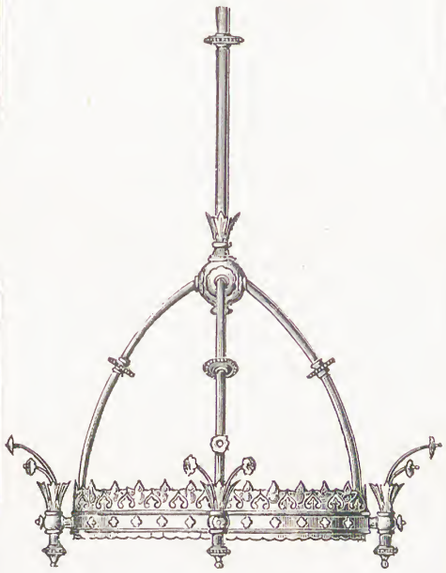
No. 6916.
12 inches high.
33/- each.



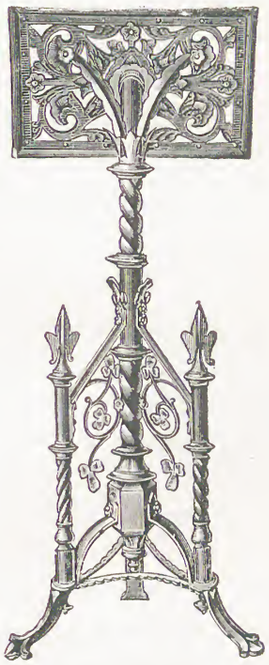
No. 6917.
3-Light Candle Standard.
Iron and Brass .. **36**/- each.
All Brass, Polished **56**/- ,,



No. 6918. Gas Standard.
Illuminated.
Iron and Brass, **110**/- each.



No. 6919.
Gas Chandelier. 30 ins. wide overall.
Iron and Brass .. **112/6** each.
All Brass, Polished .. **180**/- ,,

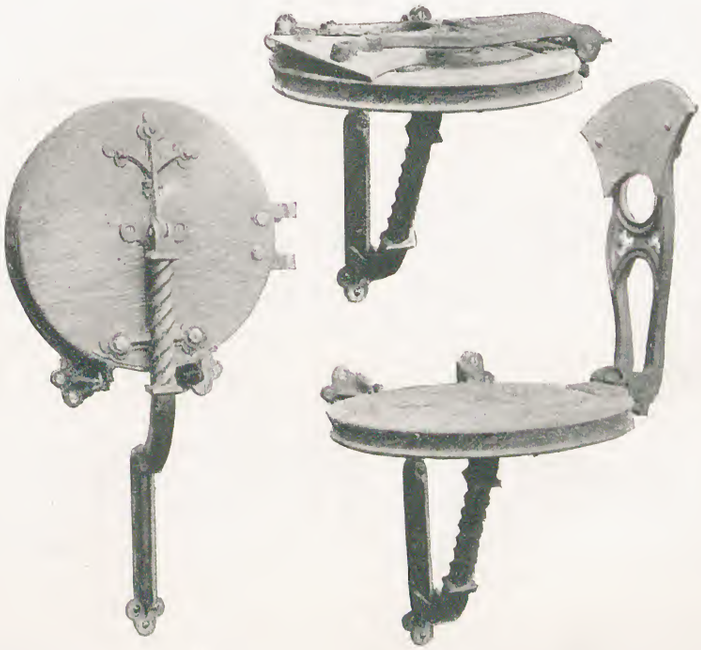


No. 6920.
Polished Brass Lectern.
Height 4 ft. 8½ in.
Outside sizes of top, 21¼ × 15¼ ins.
£26 each.

FOLDING BRACKET SEAT, for Churches, Chapels, &c.



Can be fixed to Dado or Seat ends instantly let down for use or replaced, leaving the aisle clear. Automatically fastens up.

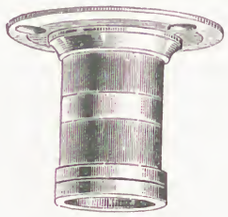


Rubber Buffers prevent slamming. The slide rests on a leather seating. It is strongly made, will carry 300lb. if required. Easily fixed with a few screws. Made right or left-hand.

No. 6921. Polished Seat and Back.
In Oak (Light or Dark), Ironwork Painted and Varnished to match, **18**/- each

POLISHED BRASS SHOP WINDOW FITTINGS.

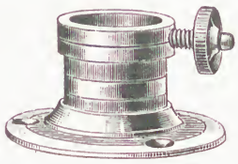
TOP FIXING FOR STANDARD.



No. **6922.**

Sizes	½	⅝	¾	⅞	1	1¼	in.
	5/-	5/9	6/6	8/3	9/9	13/9	doz.

BOTTOM FIXING FOR STANDARD.



No. **6923**

Sizes	½	⅝	¾	⅞	1	1¼	in.
	6/-	7/3	8/3	9/-	9/9	15/3	doz.

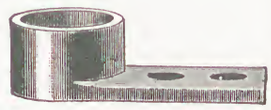
ROD SUPPORT.



No. **6924.**

Sizes	⅝	¾	⅞	1	1¼	1½	in.
	2/9	3/9	5/6	6/6	8/9	14/3	doz.

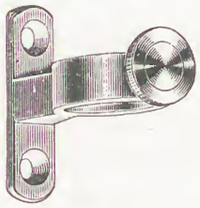
NECK FIXING.



No. **6925.**

Sizes	½	⅝	¾	⅞	1	1¼	in.
	3/9	4/3	5/-	6/-	7/3	8/3	doz.

SIDE FIXING.



No. **6926.**

Sizes	½	⅝	¾	⅞	1	1¼	in.
	3/9	5/-	5/6	6/6	7/9	12/3	doz.

BOTTOM SIDE FIXING.



No. **6927.**

Sizes	¾	⅞	1	1¼	in.
	5/-	7/3	9/3	11/6	per doz.

SASH SOCKETS.



Sizes	¼	1/16	⅜	in
Single	1/9	2/9	3/3	per doz.
Double	2/6	3/6	4/3	,,
Triple	6/-	7/3	9/9	,,

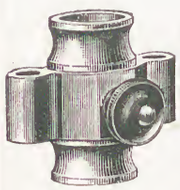


No. **6928.** Single.

No. **6930.**—Triple.

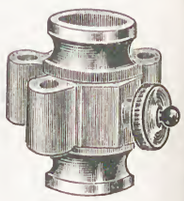
No. **6929.** Double.

SLIDING SOCKETS.



No. **6932.**
Double.

No. **6931.**—Single.		No. **6932.**—Double.		No. **6933.**—Triple.		No. **6934.**—Quadruple.	
½ in.	5/9 per doz.	½ in.	6/6 per doz.	½ in.	8/9 per doz.	½ in.	11/6 per doz.
⅝ ,,	6/6 ,,	⅝ ,,	7/3 ,,	⅝ ,,	10/6 ,,	⅝ ,,	13/3 ,,
¾ ,,	7/9 ,,	¾ ,,	8/3 ,,	¾ ,,	11/- ,,	¾ ,,	14/9 ,,
⅞ ,,	8/9 ,,	⅞ ,,	9/6 ,,	⅞ ,,	14/9 ,,	⅞ ,,	17/- ,,
1 ,,	10/3 ,,	1 ,,	11/6 ,,	1 ,,	15/9 ,,	1 ,,	19/3 ,,
1¼ ,,	16/6 ,,	1¼ ,,	19/3 ,,	1¼ ,,	25/3 ,,	1¼ ,,	30/9 ,,
1½ ,,	27/6 ,,	1½ ,,	33/- ,,	1½ ,,	44/- ,,	1½ ,,	55/- ,,



No. **6933.**
Triple.

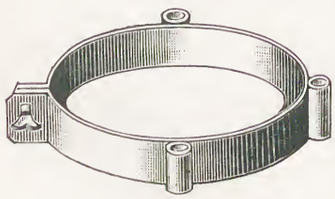
SASH SOCKET.



No. **6935.**
Fancy Single.

Sizes	¼	1/16	⅜	in.
	3/9	5/-	6/-	per doz.

COLUMN CLAMP.



No. **6940.**
Polished Brass.

In ordering give circumference of Pillar, and also state number of Sockets required.

STRAIGHT ROD ARM.



No. **6936.**

Sizes	8	10	12	14	16	18	20	in.
¼ in.	3/-	3/6	3/9	4/3	4/9	5/3	5/6	per doz.
1/16 ,,	4/9	5/6	6/-	6/6	7/3	7/9	8/3	,,
⅜ ,,	6/3	7/6	7/9	8/9	10/-	10/9	11/6	,,

EXTENDING ARM.



No. **6937.**

Extends to within 2 ins. of double length.

Sizes	8	10	12	14	16	18	ins. closed
	11/-	12/6	13/9	15/6	17/-	18/9	per doz.

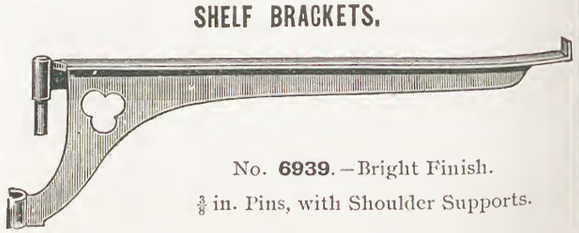
SHELF BRACKET.



No. **6938.**—Bright Finish.

Sizes	4	5	6	7	8	10	12	in.
	6/6	7/9	9/3	11/-	12/6	17/9	22/-	per doz.

SHELF BRACKETS.



No. **6939.**—Bright Finish.

⅜ in. Pins, with Shoulder Supports.

SIZES.	6	8	10	12	14	16	18	20	24	28 in.
	24/3	28/6	36/3	44/-	51/6	59/6	66/-	77/-	121/-	165/-

Per doz.

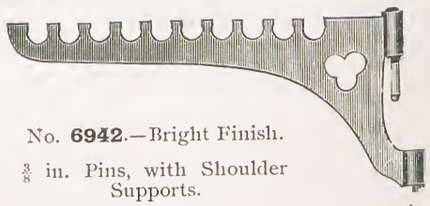
ROD BRACKET.



No. **6941.**—Bright Finish.
For ½ in. Cross Rods.

Sizes	6	8	10	12	15	18	in.
	8/9	11/-	13/3	15/6	21/9	27/6	per doz.

STRONG ROD BRACKETS.



No. **6942.**—Bright Finish.

⅜ in. Pins, with Shoulder Supports.

Sizes	8	10	12	15	18	in.
For ½ in. Rods	23/-	28/6	34/-	40/9	47/-	per doz.
For ¾ in. Rods	26/3	30/9	35/3	41/9	48/6	,,

POLISHED BRASS SHOP WINDOW FITTINGS.

ROD BRACKET.



No. **6943**. Bright Finish, for ¾ in Cross Bars.

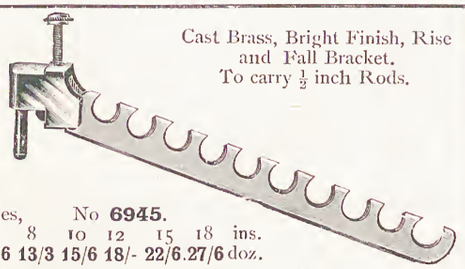
Sizes,	8	10	12	15	18 ins.
With ¾ inch Sockets	**17/6**	**20/-**	**24/3**	**30/9**	**39/-** dozen.
With 1 inch ,,	**21/3**	**23/6**	**28/-**	**34/3**	**41/9** ,,

SHELF BRACKET.



No. **6944**. Bright Finish.

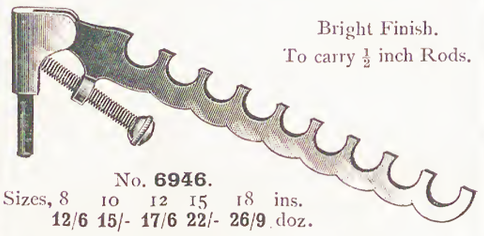
Sizes,	6	8	10	12	14	16	18 ins.
For ¾ inch Uprights	**17/6**	**20/3**	**26/3**	**32/3**	**39/6**	**49/6**	**66/-** dozen.
For 1 inch ,,	**19/9**	**26/3**	**30/3**	**37/3**	**48/6**	**59/6**	**70/6** ,,



Cast Brass, Bright Finish, Rise and Fall Bracket. To carry ½ inch Rods.

Sizes, No **6945**.

6	8	10	12	15	18 ins.
10/6	**13/3**	**15/6**	**18/-**	**22/6**	**27/6** doz.



Bright Finish. To carry ½ inch Rods.

No. **6946**.

Sizes, 8 10 12 15 18 ins.
12/6 15/- 17/6 22/- 26/9 doz.

Rise and Fall Glass Shelf Bracket.

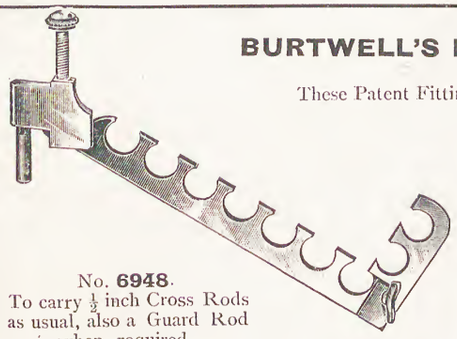


No. **6947**. Bright Finish.

Sizes	6	8	10	12	14	16 ins.
	18/9	**26/3**	**29/6**	**33/-**	**36/3**	**40/9** doz.

BURTWELL'S IMPROVED RISE AND FALL BRACKETS, BRIGHT BRASS.

These Patent Fittings provide Guard Rods to prevent articles slipping off Rods, and are applicable to all Trades.



No. **6948**.
To carry ½ inch Cross Rods as usual, also a Guard Rod when required.

Sizes, 10 12 15 18 ins.
21/- **23/9** **28/9** **33/6** doz.

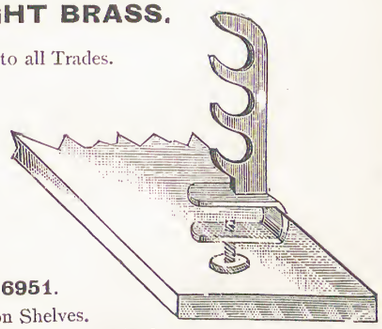


No. **6949**.
4/6 doz.

Burtwell's Loose Fittings are made to fit on teeth of any Rise and Fall Brackets, thus utilizing those already in use.



No. **6950**.
6/6 doz.



No. **6951**.
To fix on Shelves.
9/9 dozen.

GLASS SHELF SUSPENDERS.

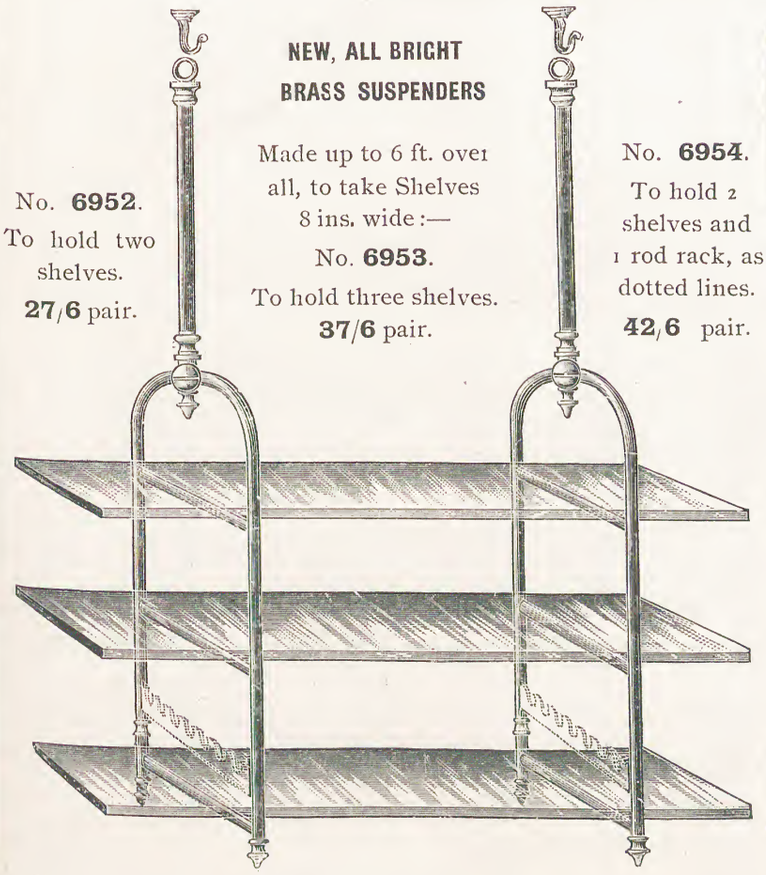
NEW, ALL BRIGHT BRASS SUSPENDERS

Made up to 6 ft. over all, to take Shelves 8 ins. wide:—

No. **6952**.
To hold two shelves.
27/6 pair.

No. **6953**.
To hold three shelves.
37/6 pair.

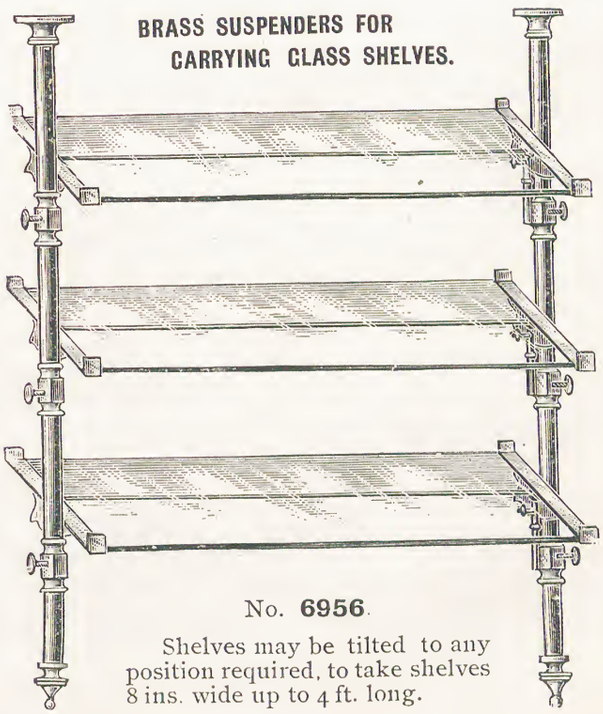
No. **6954**.
To hold 2 shelves and 1 rod rack, as dotted lines.
42/6 pair.



No. **6955**. Ceiling plates to screw to wood, or ceiling hooks, **1/9** pair.

Glass Shelves Extra.

BRASS SUSPENDERS FOR CARRYING GLASS SHELVES.



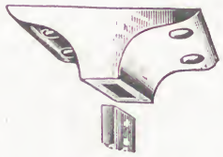
No. **6956**.
Shelves may be tilted to any position required, to take shelves 8 ins. wide up to 4 ft. long.

Price without glass, not exceeding 6 ft. overall, **38/6** set.

For price of shelves give length required.

No. **6957**.
Made to stand on bright brass bases 3 ft. 6 ins. high, with 3 ft. × 8 in. shelves, **52/-** each.

BRONZED BRASS FITTINGS FOR TAPPED BAR.



No. 6958A.

The above shows our New Top Fixing, supplied with Standards, making the fixing much easier, as it allows for variation in heights of windows.

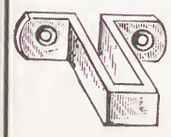


No. 6958.

Bronzed Standard Bar. Tapped.

Ends either fixed as drawn, or loose top, as No 6958A.

1¼×¼ in. **10d.** per ft.
1¼×⅜ ,, **1/-** ,,
Ends included.



No. 6959.

Back Fixing. For Standards used where they are extra long to steady, or for top fixing.
10d. each.



BRASS BRONZED TAPPED BAR.

No. 6966.

Drilled and Tapped every inch.

⅜ inch **10d.** per ft.
½ ,, **1/-** ,,
Bronzed Iron ditto.
7d. per foot.

SHELF BRACKET FOR STANDARD BAR.



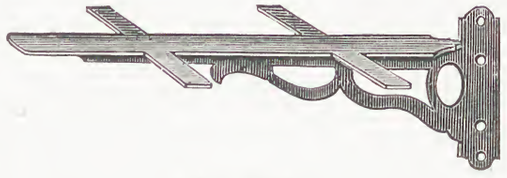
No. 6960.

Sizes	6	8	10	12	14	16	18 ins.
	12/6	**17/-**	**22/-**	**28/-**	**35/3**	**42/-**	**47/3**

per dozen.

Lips at ends of Brackets charged as 2 inches longer.

STRONG CROSS-BAR STANDARD BRACKET.

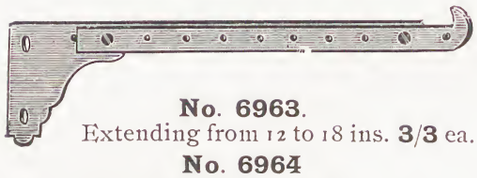


No. 6962.

Sizes	8	10	12	14	16	18	20	22	24 ins.
	3/3	**3/9**	**4/6**	**5/6**	**6/6**	**7/9**	**9/3**	**11/-**	**12/6**

each.

EXTENDING BRACKET.



No. 6963.

Extending from 12 to 18 ins. **3/3** ea.

No. 6964

Very Strong ditto **5/6** each.

BRONZED BRASS ROD ARM AND SOCKET.



No. 6967.

Sizes	8	10	12	14 ins.
	7/9	**8/9**	**9/9**	**11/-** per dozen.

SHELF BRACKET FOR TAPPED BAR.



No. 6969.

Sizes	4	6	8	10	12	14	16 ins.
	8/3	**11/6**	**15/3**	**19/3**	**25/3**	**30/9**	**38/6** per doz.

STRONG STANDARD BRACKET.

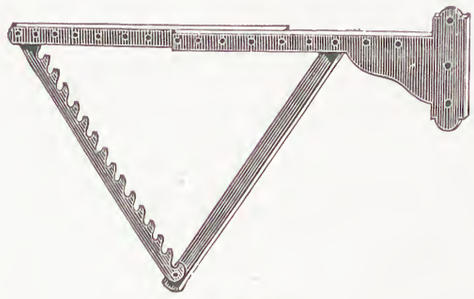


No. 6961.

Sizes	8	10	12	14	16	18	20	22	24 ins
	20/3	**29/9**	**36/3**	**48/6**	**57/-**	**68/-**	**82/6**	**92/3**	**105/6**

per dozen.

STRONG WATCH RACK.

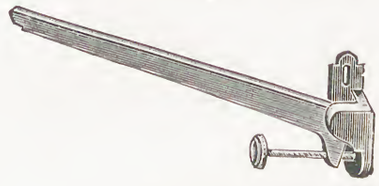


No. 6965.

All Brass Bronzed Extending Bracket to carry Rods for Watches.

Extends to 36 ins... .. .. **11/-** each.
Lighter make .. .. .. **7/9** ,,

BRONZED BRASS ELEVATING BRACKET.



No. 6968.

Sizes	5	6	7	8 ins.
	2/4	**2/6**	**2/9**	**3/4** per pair.

SHELF BRACKET FOR TAPPED BARS.



No. 6970.

To support ends of two shelves.

Sizes	4	6	8	10	12	14	16 ins.
	1/8	**2/3**	**2/6**	**3/-**	**3/6**	**4/3**	**5/-** each.

SCREW FOR TAPPED BAR.

No. 6971.



4d. per dozen. **3/3** per gross.
For Standard Bar,
No. 6972. **3/3** per gross.

NEW THUMB SCREW.

For Standard or Tapped Bar.



No. 6973.
2/- per dozen.

BRASS BRONZED SOCKET.



No. 6974.

4/6 per dozen.

DOUBLE BAR TAPPED SOCKETS.



No. 6975 **4/6** per doz.
Stronger.
No. 6976. **6/6** per doz.

POLISHED BRASS FITTINGS FOR THE CONFECTIONERY TRADE.

BRIGHT BRASS BRACKET.



No. **6977.**
For Light Goods, 5 in. Ring, **9/9** doz.
No. **6978**. Stronger Arm **19/3** ,,
No **6979** Extra Strong **3/9** each

TWISTED CAKE BRACKET.



No. **6980**.
With 5 in. Top .. **20/-** per doz.

BEVELLED PLATE GLASS TOP BRACKET.



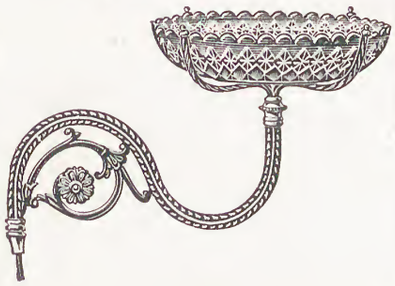
No. 6981.
With Fancy Arm.
6 in. Top ... **33/-** per dozen.

GALLERY BRACKET.



No. 6982.
With 5 in. Top and Scroll Arm,
61/6 per dozen.
No. 6983. Without Scroll **49/6** per dozen.

STRONG FANCY BRACKET.



No. **6984.**
All Bright Brass, with 8 in. Crystal Dish.
Complete, **6/3** each.

CONFECTIONERY BRACKET. NEW DESIGN.



No. 6985. Polished Brass, 8 in. Crystal Glass Dish and Socket complete **8/3** each.

CONFECTIONERY STAND.



No. 6986.
Brass Loaded Base, 12ins. high, with 8 in. Dish,
Complete **60/-** per dozen,

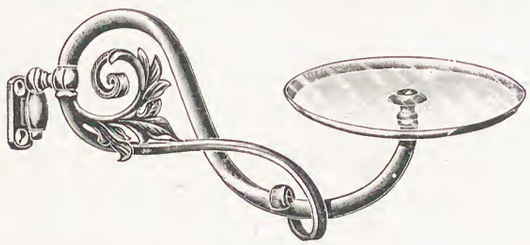
No. 6987.
With Ball Action at top for Tilting to show contents.
8/9 per dozen extra.

PLATE OR DISH STAND.



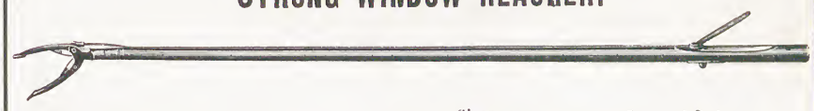
No. 6988.
Three 8 in. Crystal Dishes, 21 ins. high,
Dead Black and Copper, Complete, **15/6** each.
Ditto Polished Brass, **31/-** each.
No. 6989.
If 4 Dishes, Black and Copper, **20/-** each.
Ditto Polished Brass ... **35/9** ,,

POLISHED BRASS CONFECTIONERY BRACKET, NEW DESIGN.



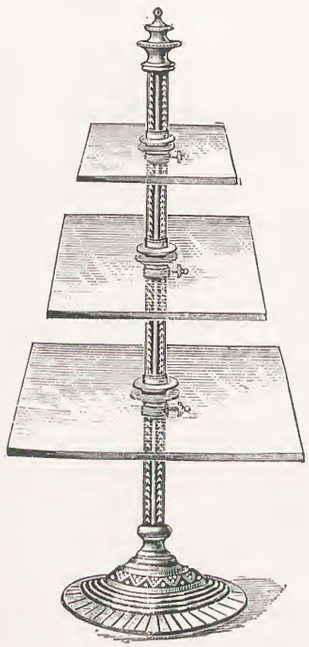
No. **6990.**
With 8 in. Bevelled Glass Plate and Socket,
Complete, **8/-** each.

STRONG WINDOW REACHER.



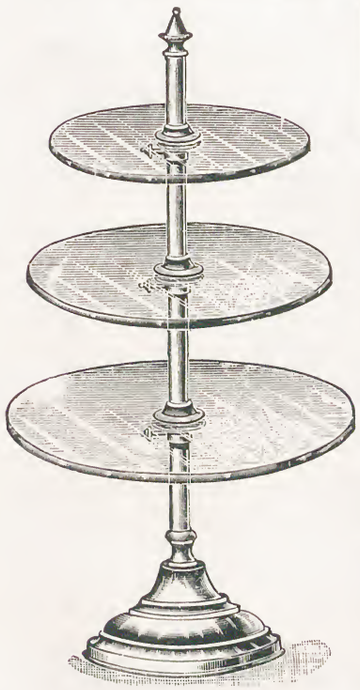
	Sizes, 3	4	5	6 ft. long.
No. 6991. On Wood Sticks	... **6/6**	**7/3**	**7/9**	**8/3** each.
No. 6992. On Bamboo Sticks, much lighter	... **6/3**	**6/9**	**7/3**	**7/6** ,,

FANCY STAND.



No. **6993.**
½ in Stem, 21 ins. high, with 3 Plate Glass Shelves 8, 10, 12 ins. diameter, Round, Square or Oblong. Ground and Polished or Bevelled Edges.
23/- each.
Nickel-plated, **3/3** extra.

BRIGHT BRASS OR BRONZED.



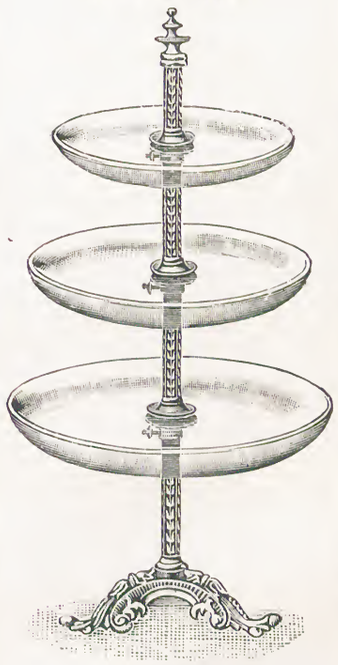
No. 6994.
Three Round Plate Glass Shelves, 8, 10 and 12 in. diameter, ¾ in. Pillars, 30 ins. high.
24/3 each.
No. 6995.
If with 10, 12 and 14 in. Shelves, **31/9** each.
Nickel-plated, **3/8** extra.

DISH STAND.



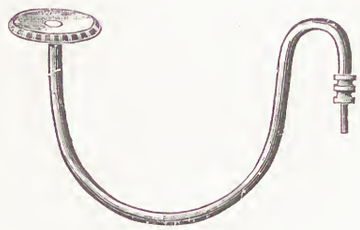
No. 6996.
30 ins. high, ¾ in. Stem, on Brass Loaded Base, with 3 Dishes, 8, 10 and 12 ins. diameter.
Complete, **28/-** each.
Nickel-plated **3/3** extra.

DISH STAND.



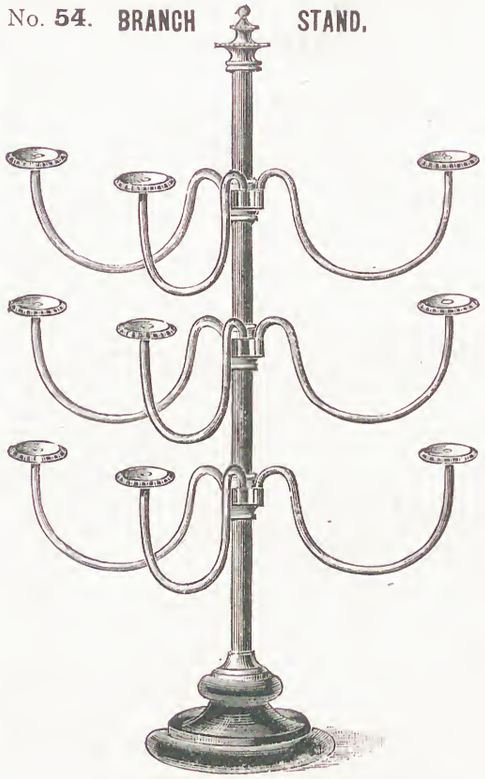
No. 6997.
Fancy Brass Stem 27 ins. high, on Cast Brass Base, with 8, 10 and 12 in. Glass Dishes.
30/6 each.
No 6998.
With 10, 12 and 14 in. Dishes, **35/-** each.
Nickel-plated **3/3** extra.

POLISHED BRASS BRACKETS AND STANDS FOR HATTERS AND MILLINERS.



No. 51. Plain Tube, **16**/- per doz.
No. 52. Fancy Tube, **18**/- per doz.

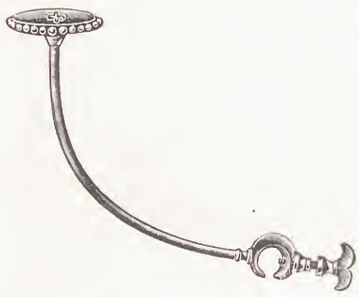
No. 54. BRANCH STAND.



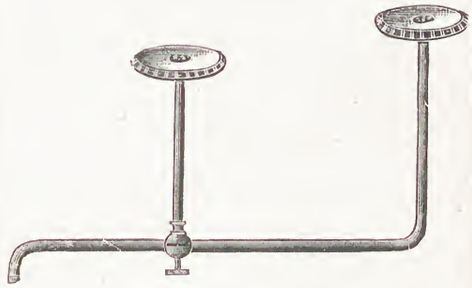
Porcelain Base.	½ in. Stem.	¾ in. Stem.
6 Branch, 3 ft. high ...	**10/6** ...	**13/3** each.
9 ,, 3 ft. 6 ins high ...	**13/9** ...	**17/6** ,,
12 ,, 3 ft. 6 ins. high ...	**16/6** ...	**20/9** ,,



No. 55. Stout Twisted Arm with Wheel Top, as Drawn, **17**/- per doz.



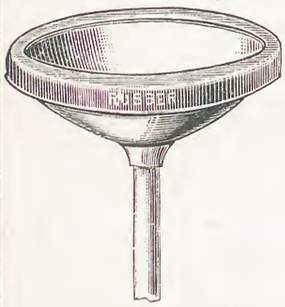
No. 53. New Hat or Bonnet Bracket. Bright Brass to clip on ½ in. Cross Rods, **10/6** per doz.



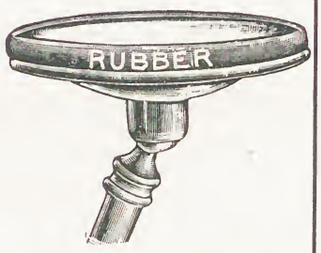
No. 56. Double Bracket.
¼ in., **14/9** per doz.
⅜ in., **31/9** ,,

PATENT TOPS FOR STANDS OR BRACKETS.

Rubber prevents goods from slipping.



Made to screw or drive on stands or brackets in use.
No. 57.
¼ ⅜ ½ in.
6/9 **7/3** **8/3** per doz.

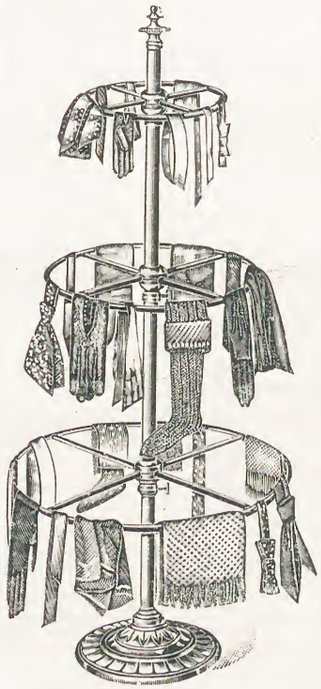


Tilting Top is specially adapted for high stands or brackets.
No. 58. Improved Ball Joints.
¼ ⅜ ½ in.
11/- **11/6** **12/3** per doz.

No. 59. Ball Joint and Brass Top without Rubber, **6/3** per doz.

STAND.

For Hosiery, Lace, &c.



No. 513.
With Rings to Revolve on Stem.
42 ins. high.
25/- each.

TRIPOD FOOT STAND.



No. 510. Brass Stem and Top.
Assorted Heights, 14, 22 30 in.
13/9 per doz.

STAND.



No. 511.
Solid Brass, Black Porcelain Base.
Assorted Heights, 14, 22, 30 in.
21/3 per doz.

STAND.



No. 514.
All Brass fixed Stands, assorted in heights of 14, 22 and 30 in.
41/9 per doz.

TELESCOPIC STAND.



No. 515.
Stout Brass Stem and Top, on Porcelain Foot.
Assorted Heights, 14, 22 30 in., when closed.
44/- per doz

Other Designs of Stands, and Prices, sent on application.

FIXED TWISTED STAND.



No. 516.
All Brass Stem and Top, on Black and Gold Porcelain Base in assorted Heights of 14, 22, and 30 ins.
35/- per doz.

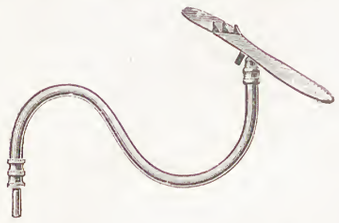
TELESCOPIC STAND.



No. 517.
Brass Stem and Top, on Black or Bronzed Metal Foot.
Assorted Heights of 14, 22 and 30 in. when closed.
25/9 per doz.

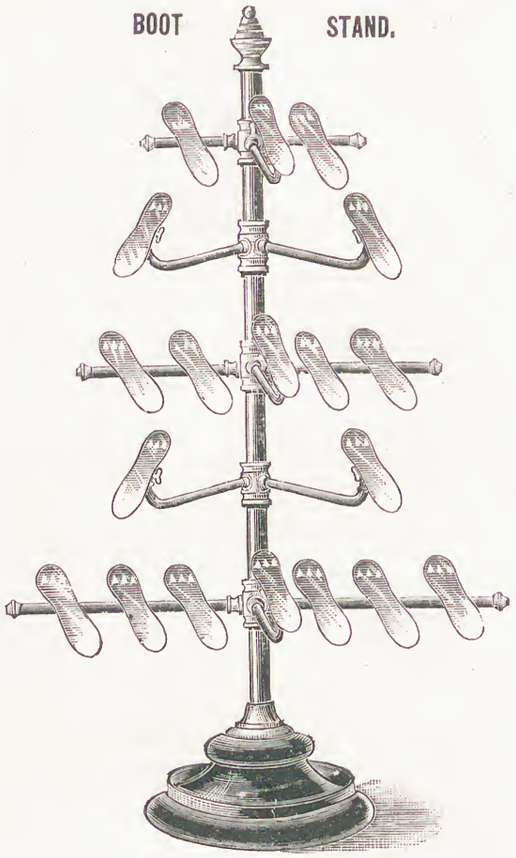
POLISHED BRASS FITTINGS for Boot and Shoe Trade.

PATENT SIMPLEX BOOT BRACKET.



No. **519.** Plain, ¼ in., **15/3**, ⅜ in., **20/-** per doz.
No. **520.** Fancy, ⅜ in. .. .. **22/-** per doz.

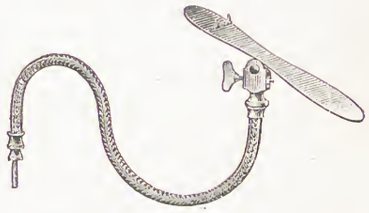
BOOT STAND.



With 19 adjustable plates, to show Boots in any position. Brackets fitted with patent Automatic Action, 4 ft. 6 ins. high, on heavy black Porcelain Base. No. **522.** **46/9** each.
No. **523.** Fancy Tube, **55/-** each.

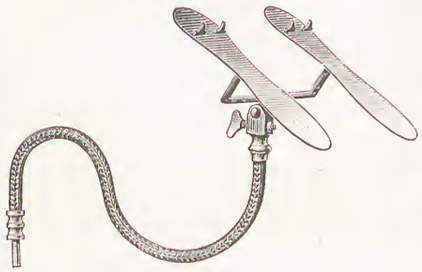
PATENT BOOT BRACKET.

Automatic Action.



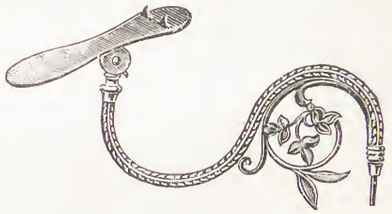
No. **524.** Fancy Arm, **33/-** per doz.
No. **525.** Plain Arm, **30/6** ,,

DOUBLE BOOT BRACKET.



No. **521.** Patent Automatic Action.
55/- per doz.

ADJUSTABLE BOOT BRACKET.



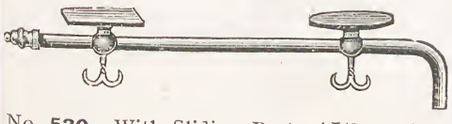
No. **526.** Fancy Brass, **46/-** per doz.
No. **527.** Without Scroll, **30/9** ,,
No. **528.** Do. Double to hold a pair, without Scroll, **46/9** per doz.

FIXED BOOT BRACKET.



No. **529.** Bright Brass, **24/3** per doz.

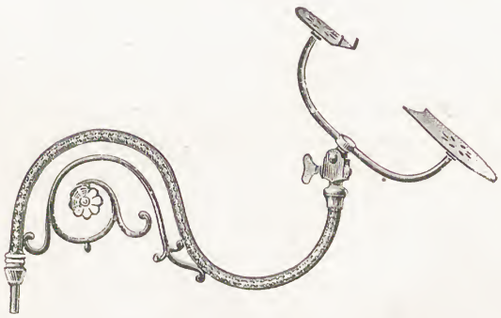
BOOT BRACKET.



No. **530.** With Sliding Rests, **14/3** per doz.
No. **531.** Stronger Do. **20/9** per doz.

HANDSOME SCROLL BRACKET.

Automatic Action.



No. **532.** As Drawn, **61/6** per doz.
No. **533.** Without Scroll, **39/6** per doz.
No. **534.** As Drawn with Flat Shoe Plate, **53/9** per doz.

PATENT "SIMPLEX" BOOT STAND.



No. **535.** All Brass.
8, 10, 12 in. assorted.
Plain, **27/6** per doz.
No. **536.** Fancy,
28/6 per doz.

PATENT "SIMPLEX" BOOT STAND.

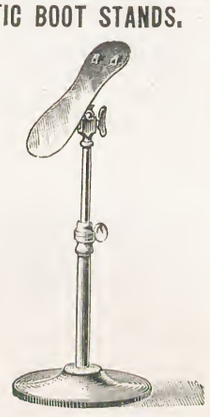


No. **537.** Porcelain Base.
8, 10, 12 in. assorted.
¼ in. stem, **27/6** per doz.
No. **538.** Fancy, ⅜ in.
33/- per doz.

TELESCOPIC AND AUTOMATIC BOOT STANDS.



No. **539.** Assorted in heights of 8, 10 and 12 in. when closed.
46 9 der doz.



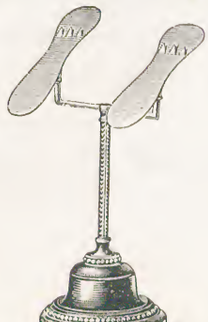
No. **540.**
Ladies' **52/9** per doz.
Gents' 10, 12 and 14 in. high, when closed, on heavier base, **61/6.**

BOOT HEEL RESTS.



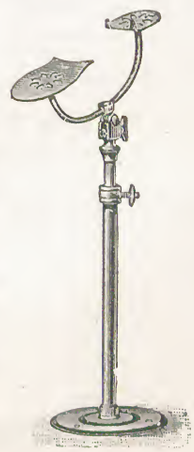
No. **541.** All Bright Brass for Tilting Goods.
In assorted Heights of 3, 4, 5 in.
Heavy loaded base, **7/-** per doz.
No. **542.** With longer cross arm to hold a pair, **11/-** per doz.

PATENT "SIMPLEX" DOUBLE BOOT STAND.



No. **543.** Porcelain Base.
Assorted in Heights, of 8,10 and 12 ins.
46/- per doz.

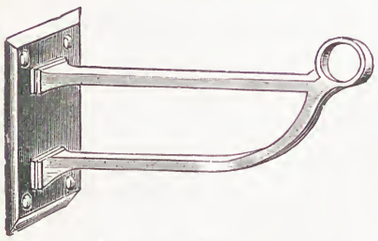
BOOT STAND. PATENT ACTION.



No. **544.**
Assorted in Heights of 8, 10 and 12 in. when closed.
50 6 per doz.

POLISHED BRASS BRACKETS AND RAILS for Mantles, Hats, &c.

RAIL BRACKET.



No. 545.
To project 7 ins and take ¾in rods **24/3** doz.
To take 1 in. rods .. .. **26/6** ,,

RAIL BRACKET.



No. 546.
Sizes ⅜ ½ ⅝ ¾ ⅞ 1 in.
6/6 7/9 9/- 10/6 11/9 13/6 doz.

ROD HOOK.



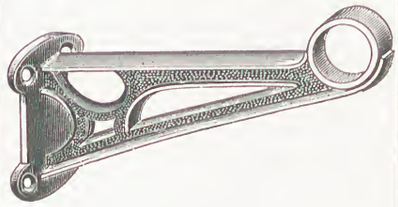
No. 547.
Sizes ⅝ ¾ ⅞ 1 in.
2/- 2/3 2/9 3/3
per dozen.

RAIL BRACKET.



No. 548.
Sizes ½ ⅝ ¾ ⅞ in.
7/9 8/6 9/- 9/9
1 1¼ 1½ in.
10/6 13/- 26/-
per dozen.

HAT RAIL BRACKET



No. 549. 1 inch.
Sizes 5 6 7½ 8½ 9½ 10½ in.
2/6 3/- 3/6 4/3 5/3 6/6 each

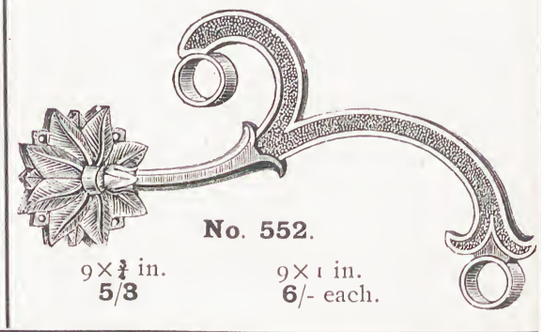
POLISHED BRASS HAT RAIL BRACKETS.



No. 550.
Drawn quarter size.
¾ in. .. .. **5/3** each.



No. 551.
Drawn quarter size.
⅞ in. .. .. .. **6/-** each.



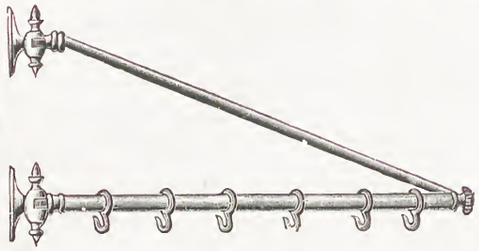
No. 552.
9×¾ in. **5/3**
9×1 in. **6/-** each.

BRASS ROD SUSPENDER.



No. 553.
Up to 3 ft. long.
For ¾ inch Rods .. **5/-** each.
,, ⅞ ,, ,, .. **6/6** ,,
,, 1 ,, ,, .. **7/9** ,,
Over 3 ft. long will be
¾ ⅞ 1 inch.
9d. 11d. 1/1 per foot extra.

BRASS SWING MANTLE RAILS.



No. 554.
Sizes 22 27 in.
13/3 16/- each.
Lighter make, 22 inches **11/-** each.

CHEAP BRASS ROD SUSPENDER.

No. 555.



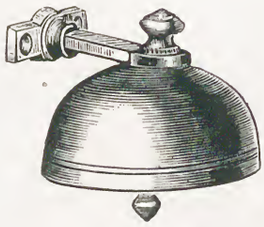
Consisting of 2 Ceiling Hooks. and Roses.
6 feet Chain and 2 Rod Hooks.
For Rod ½ ¾ 1 in.
2/8 2/10 3/-
per set.
Rods extra, for prices see below.

LOOSE BRASS PLUG FOR RODS.

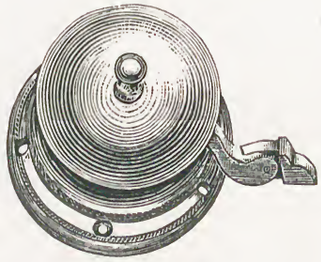


No. 556.
Sizes ½ ⅝ ¾ ⅞ 1 in.
3/3 5/6 7/9 8/9 10/-
per dozen.

SHOP DOOR ALARM BELLS.
Polished Brass.

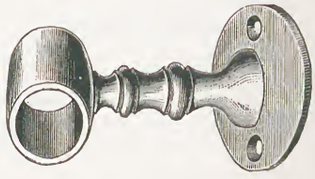


No. 557.
Sizes 3 3½ 4 in.
2/6 3/- 3/9 each



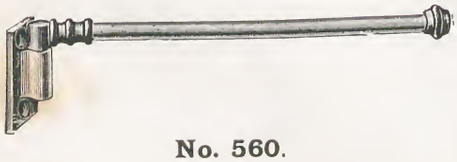
No. 558.
Sizes 3 3½ 4 in.
3/9 4/6 6/- each

BRASS ROD BRACKET.



No. 559.
Sizes ½ ⅝ ¾ ⅞ 1 1¼ in.
7/3 8/6 11/9 13/6 15/6 19/6
per dozen.

STRONG BRASS MANTLE ARM AND SOCKET.



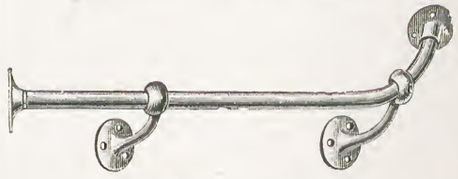
No. 560.
¾×15 18 21 inch.
37/6 39/- **40/6** per dozen.

BRASS-CASED TUBE.



No. 561.
Sizes ½ ⅝ ¾ ⅞ 1 1¼ 1½ in.
3½d. 4d. 5d. 5½d. 6½d. 8½d. 1/-
per foot.
Cut Lengths charged 5 per cent. extra.

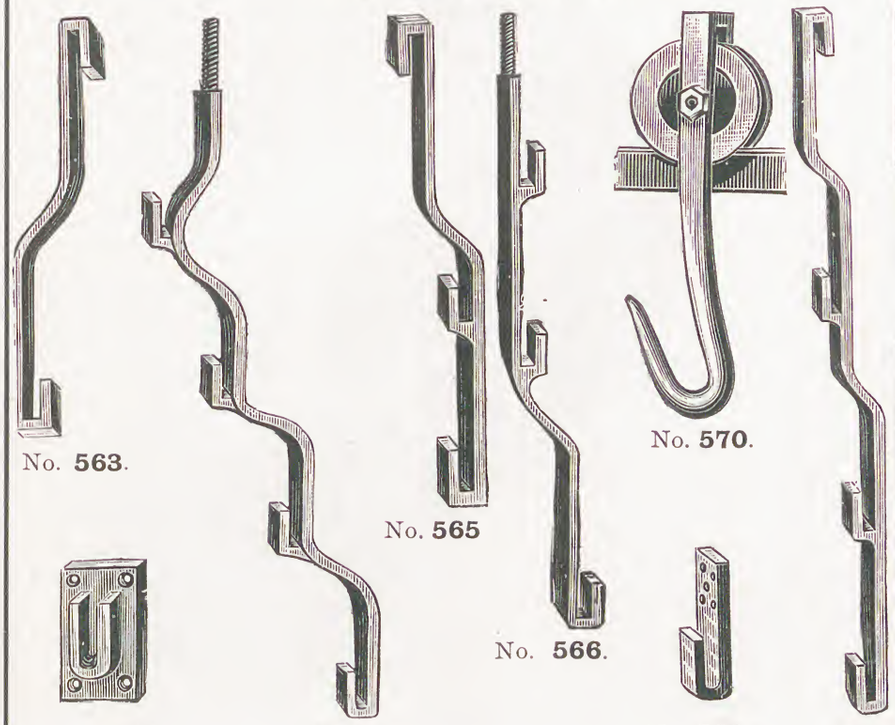
BRASS HAND RAIL.



No. 562.
Made specially to order on receipt of particulars, viz.:—Size of Tube; Number of Brackets and projection; if any Bends or End Flanges required.

WROUGHT IRON BUTCHERS' SHOP FITTINGS.

RAIL BRACKETS, &c.



No. **563**.

No. **565**

No. **570**.

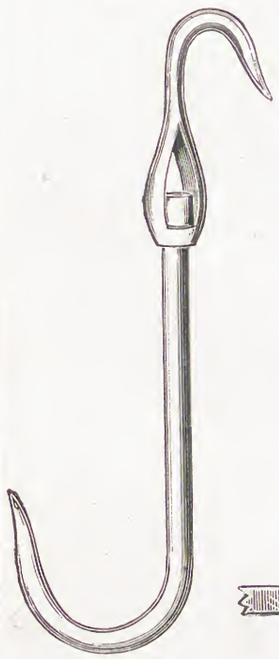
No. **566**.

No. **568**. No **624**. No. **569**. No.**567**.

Nos.	563	624	565	566	567	568	569
Black	**3**/- per ft.					**3**/-	**2**/- pair.
Polished	**5**/- ,,					**10**/-	**6**/- ,,

No. **570**. Hook with Wheels to run on Rails, **12**/- each. Black.

TINNED SWIVEL HOOK.



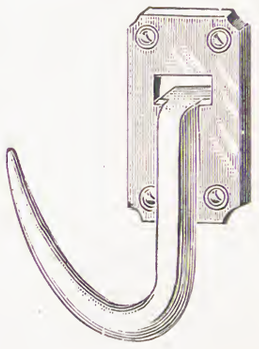
No. **571**.

Sizes, X ½ in.

10	12	14	16	18	20 ins.
8/-	**9**/-	**10**/-	**11**/-	**12**/-	**13**/-

per dozen.

TINNED DOOR HOOK AND PLATE.



No. **572**.

11/- per dozen.

RAIL FOR HOOKS.



No. **573**.

Sizes,	1¾ × ½	2 × ½ ins.
Black ..	**10d**.	**1**/- per foot.
Polished	**1/9**	**2**/- ,,

MEAT HOOK.

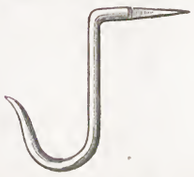


No. **574**.

Sizes, 2 2½ 3 3½ 4 ins.

Tinned **7**/- **7**/- **8**/- **9**/- **10**/-gross.

MEAT HOOK.



No. **575**.

Sizes, 2 2½ 3 3½ 4 ins.

Tinned **5/6** **6**/- **7**/- **8**/- **9**/- gross.

BAR HOOK.



No.**576**.Welded Tinned Bar Hook

For ⅜ ½ ⅝ inch Bars.

9d. per lb.

BAR HOOK.



No. **577**.

Sizes, 2½ 3 3½ 4 ins.

Tinned **7**/- **8**/- **10**/- **12**/- gross.

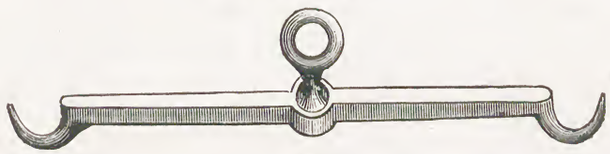
SWIVEL HOOK.



No. **578**.

Bright, **1/1** per lb

GAMBRELS.



No. **579**.

Sizes,	13	15	17 ins.
Bright ..	**22**/-	**24**/-	**26**/- per dozen.
Tinned ..	**20**/-	**22**/-	**24**/- ,,

"S" HOOK.



No. **580**.

Sizes, 3 3½ 4 4½ 5 6 7 ins.

Tinned, **5**/- **5/6** **6**/- **7**/- **8**/- **9**/- **11**/- gross.

GAMBREL HOOK.



No. **581**.

5 and 6 ins. × 1 5/16 in.
7 and 8 ins. × ⅜ in. } **7d**. per lb.

DOUBLE CEILING HOOK.



No. **582**.

Sizes, 4 5 6 7 ins.

Tinned, **18**/- **19**/- **20**/- **21**/-gross

BAR HOOK.



To Slide on Bars.

Sizes as under.

BAR HOOK.



No. **583**. Malleable Iron.

Sizes,	¼ × 1¾	¼ × 2	⅜ × 1¾	⅜ × 2	½ × 1¾	½ × 2 ins.
Tinned ..	..	..	**5**/-	..	..	.. per dozen.
Bright ..	..	..	**6/6**	..	..	.. ,,

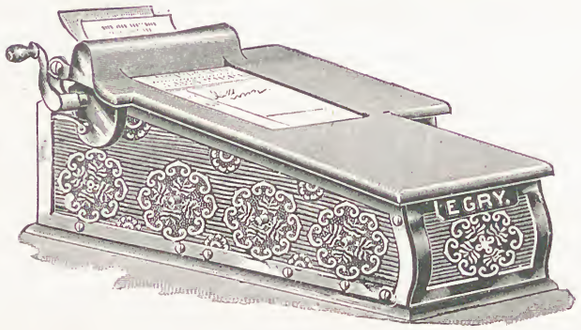
No. **584**. Malleable Iron.

No. **585**. **LONG "S" HOOKS**.

Sizes,	9	12	15	18	21	24	27	30	33	36 ins.
Tinned.	**2/6**	**3**/-	**4/6**	**5**/-	**6/6**	**7**/-	**8/6**	**9**/-	**11**/-	**13**/- per dozen

MONEY REGISTERS AND TIME RECORDERS.

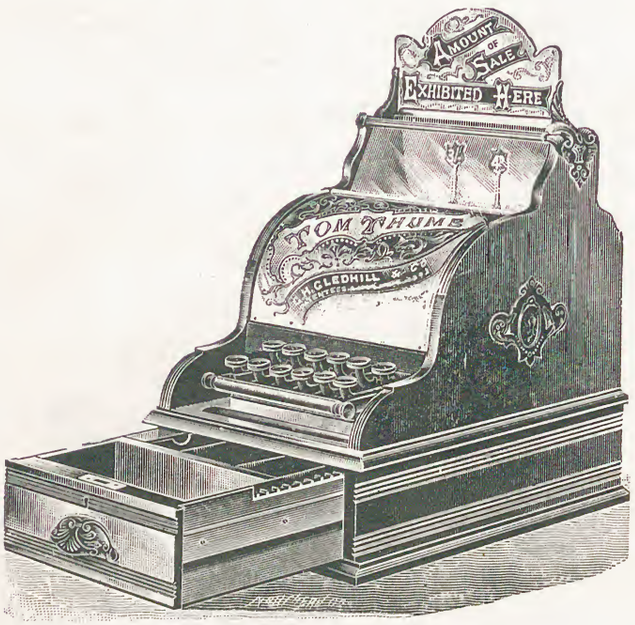
THE "EGRY" AUTOGRAPHIC REGISTER.



Roll-up Record Register, No. 586.

No. **586.** Roll-up Record Register, issues Sales Checks $3\frac{7}{8}$ wide by any length desired .. .. **66/6** each.
,, **587.** Ditto $4\frac{5}{16}$ ins. wide by 5 ins. long .. .. **89/-** ,,
,, **588.** Ditto $6\frac{1}{2}$,, ,, ,, ... **111/-** ,,
,, **589.** Ditto 8 ,, ,, ,, ... **136/6** ,,
Other Sizes and kinds of "Egry" quoted for on application.

"TOM THUMB" CASH REGISTER.



No. **592.** Sizes, 16 ins. deep, 19 ins. high.

Widths	$9\frac{1}{2}$ ins.	12 ins.	$14\frac{1}{2}$ ins.
No. of Keys ..	8	12	16 keys.
Prices	**£15 10 0**	**£22 10 0**	**£27 17 6** each.

THE "ECLIPSE" CASH TILL.



No. **590.**

To carry $3\frac{7}{8}$ ins. wide paper.

£3 6 0 each.

No. **591.**

With $2\frac{5}{8}$ in. paper and no Lock to Drawer.

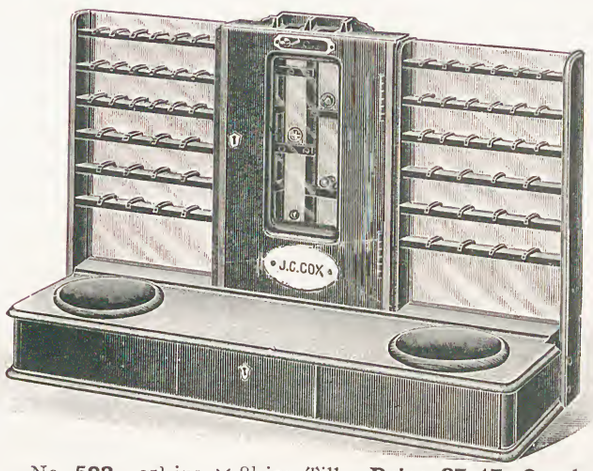
£3 0 0 each.

This takes up less space than any other Till on the market, and is just the Till where counter space is limited.

SPECIFICATION.

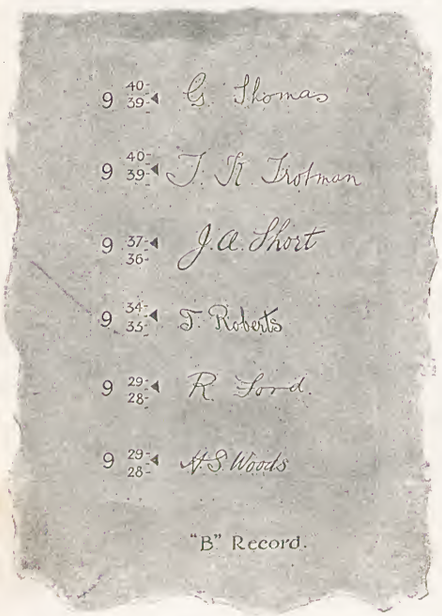
Size, 17 × $6\frac{3}{8}$ × $6\frac{1}{2}$ in.
Record Paper. $3\frac{7}{8}$ in. wide (standard). Check Action.
Bell.
Lock to Lid and Lock to Drawer, and Duplicate Keys to each.

COX'S PATENT MONEY TILL.



No. **593.** $25\frac{1}{2}$ ins. × $8\frac{1}{2}$ ins. Till. **Price £7 17 6** each.

ADVANTAGES CLAIMED.—1st, Easily cleaned. 2nd, Failure in action impossible. 3rd, Great simplicity and durability. 4th, No Springs, Wheels or Working Parts to get out of order. 5th, No part of one payment can possibly pass to another payment. 6th, Being transparent, the payments can be seen from either back or front of Till. 7th, The Copper Check Till shows the exact amount made by one action of Till.



HALF ACTUAL SIZE.

THE "KOSMOID" PATENT TIME RECORDERS.

MACHINE CHECKING.

The most satisfactory way of recording the movements of employees—time of arrival and departure, etc.—is admittedly that by which a machine does the checking. Errors and inaccuracies are thereby rendered impossible.

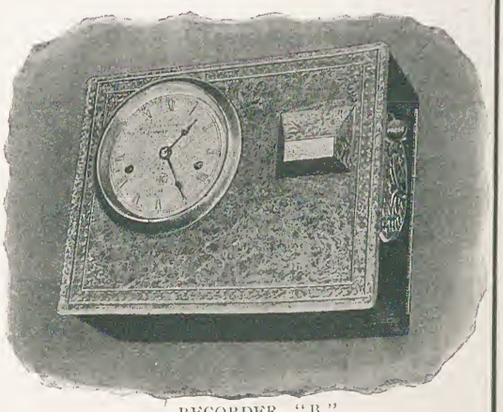
Prices—

Recorder "A" (in Oak, Light or Dark Finish) .. **£8 8 0**
Recorder "B" (in Mahogany or Walnut) **£11 4 0**

Sizes:

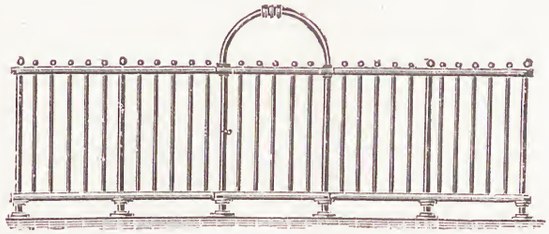
"A," $10\frac{3}{4}$ ins. long; 5 ins. high; $9\frac{1}{2}$ ins. wide. Weight 11 lbs.
"B," $12\frac{1}{4}$ ins. long; 5 ins. high $9\frac{1}{2}$ ins. wide. Weight 12 lbs.

Paper Refills.. .. .. **4/-** per doz.
Carbon Ribbons .. .. **1/4** each, **13/6** ,,



RECORDER "B."

BANK COUNTER RAIL.

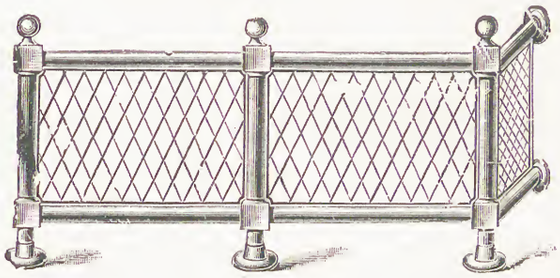


No. **599.**

Prices quoted upon receipt of Plan and Specification.
Several designs made.

POST OFFICE OR CASH DESK RAIL.

Polished Brass.

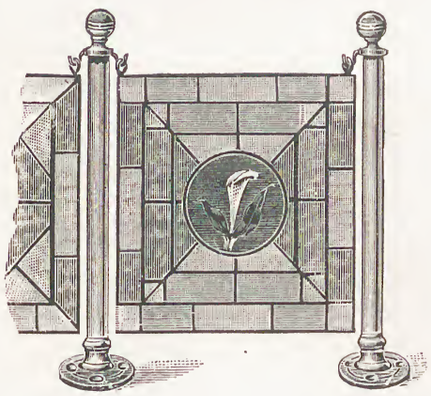


No. **5100.**

Sizes	¾	⅞	1 in.
Corner Pillars } Centre Pillars }	**8/6**	**10/3**	**13/-** each.

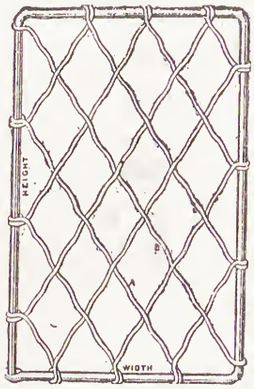
Rails and Brass Lattice work extra as required.

PILLARS TO CARRY LEADED LIGHTS.



No. **5101.**—Double. No. **5102.**—Single.
Up to 24 ins. high. Plain Brass Polished.
6/6 each.

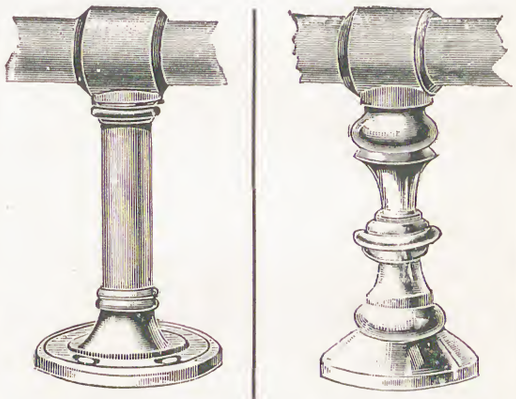
BRASS LATTICE FOR GUARDS.



No. **5103.**

Mesh 1 in. × 14G. **2/3** per square foot.
Mesh 1½ in. × 12G. **2/8** ,, ,,
Minimum charged as 4 ft.

POLISHED BRASS FOOT RAIL SUPPORTS.



No. **5104.** –**7**/- each. No. **5105.**—**12/6** each.

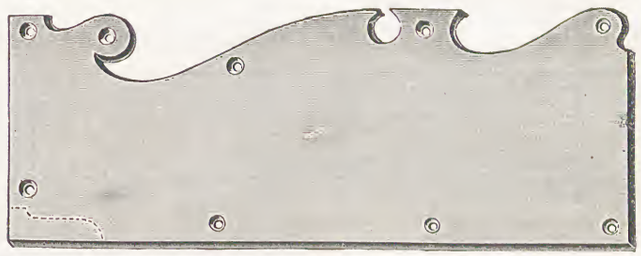
Drawn quarter full size.

POLISHED BRASS KICKING PLATES.



No. **5106.** Plain, 12 Wire Gauge Thick.

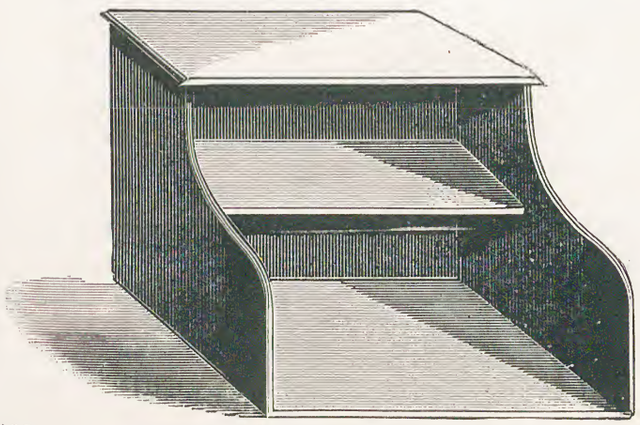
Sizes ..	20	24	28	32	36 ins. long.
Width, 6 in. ..	**11/9**	**13/6**	**15/6**	**17/6**	**19/6** each.
,, 7 ,, ..	**13/6**	**15/6**	**18/3**	**20/9**	**23/6** ,,
,, 8 ,, ..	**15/6**	**18/3**	**20/9**	**23/6**	**27/6** ,,



No. **5107.** Fancy, 12 Wire Gauge Thick.
Special size .. .. 28 ins. × 10 ins.
Price 65/- each.

BUTTER BLOCKS.

In Slate or Marble.



No. **5108.** Slate Slabs for Larder or Dairy Work, &c.

Thickness of Slab	¾	1	1¼	1½ in.
Rubbed and Sanded	**1/8**	**1/10**	**2/4**	**2/10** per square foot.

Moulded Edges extra according to designs.
Fig B. **4**d. Fig. C. **4**d. Fig. D. **5**d. per foot run in one inch.
Prices are for Slabs not exceeding 6 ft. long, when over this will be charged **4**d. per foot extra.
Special prices for Butter Blocks on receipt of sizes, &c.

MARBLE SLABS.

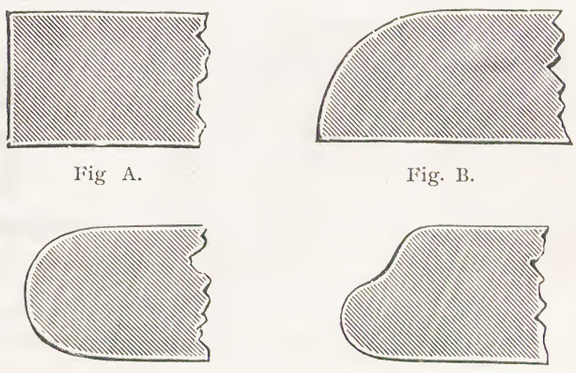


Fig A. Fig. B.

Fig. C. Fig. D.

No. **5109.** Slabs for Counter Tops, Fishmongers' and Butchers' Shops.

Thickness of Slabs ..	¾	1	1¼	1½ in.
Sicilian, Polished Face, and Square Edges ..	**2/9**	**3/9**	**4/6**	**5/6** per square foot.

Edges as Figs. B and C. **4**d. per foot run extra.
D. **1**/- per foot run extra.

OPAL LETTERS FOR ATTACHING TO GLASS.

Plain. Gothic Fancy Embossed

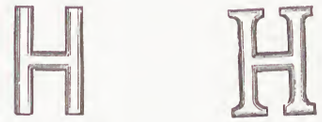


Nos. **5110** **5111** **5112** **5113**

		Sizes ..	1½	2	2½	3	4	5	6 ins.
No. **5110**.	Plain White Opal	..	1/9	2/6	3/-	3/6	4/9	8/3	11/9
	Ditto with Gilt Bevelled Edge	..	2/9	3/6	4/6	5/3	7/-	11/9	15/6
,, **5111**.	Opal Gilt Gothic	.	4/6	6/-	7/6	9/-	12/-	14/9	—
,, **5112**.	Fancy Opal in Gold or Silver	.. ..	10/6	14/-	17/6	21/-	28/-	35/-	—
,, **5113**.	Embossed in Gold or Silver	.. ..	10/6	14/-	17/6	21/-	28/-	35/-	—

Per dozen letters.

WHITE ENAMELLED COPPER LETTERS.



No. **5114**. No. **5115**.

Sizes	1	1½	2	2½	3	3½	4	5	6 ins.
No. **5114**. Block	1/4	2/-	2/8	3/4	4/-	—	5/4	8/-	10/9
,, **5115**. Roman	—	2/4	3/4	3/8	—	5/6	6/-	9/4	12/-

Per dozen Letters.

PORCELAIN LETTERS.

No. **5116**. Imperial. No. **5117**. Grecian. No. **5118**. Egyptian.



Sizes ..	In Grecian only. 2	3	In Imperial, Grecian or Egyptian. 4	6	8	10	In Egyptian Only. 12 ins.
White Marble ..	6d.	9d.	1/-	1/9	2/3	3/9	8/- each.
White Marble and Gold Veins ..	1/2	1/6	1/10	3/4	4/6	6/9	13/- ,,
Mazarine Blue and Gold Veins ..	1/6	1/10	2/3	3/9	5/3	8/3	14/- ,,
White and Burnished Gold Bevel ..	3/9	4/2	4/6	6/9	9/-	14/3	25/- ,,
Mazarine Blue and Burnished Gold Bevel	—	4/6	4/10	7/6	9/9	15/9	30/- ,,

Stops, one-sixth the price of Letters.

Wood Letters, Gilt Face, Coloured Edges, or Coloured Face, Gilt Edges.



No. **5119**, **4½d**. No. **5120**, **4d**. No. **5121**, **5d**. No. **5122**, **4½d**. per inch.

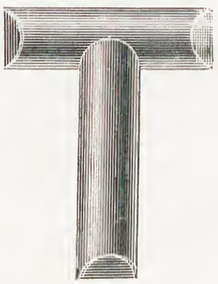
Made 4 to 10 inch, taken in height of Letter.

Shaded Wood Letters, Gilt Face, Coloured Edges or Coloured Face, Gilt Edges.



No. **5124**, **6d**. No. **5125**, **6d**. No. **5126**, **8½d**. per inch.

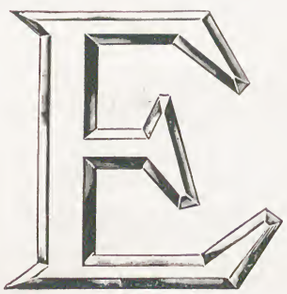
Made 4 to 10 inch, taken in height of Letter.



No. **5123**.

Carved Round Face, Bevelled Edge, Block Type, Gilt Wood Letters, 4 to 15 ins. high.

Price 6½d. per inch.



No. **5127**.

Bevelled Edge, Antique Type, Gilt Wood Letters, 4 to 15 ins. high.

Price 7½d. per inch.

GOLD OR SILVER FACED PRISMATIC CUT GLASS LETTERS WITH DEEP BEVELLED EDGE.

	Sizes ..	1	1½	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18 ins.
No. **5128**.	(Egyptian.)	1/1		1/8	2/5	3/3	4/2	5/-	5/11	6/10	8/3	9/5	11/1	13/4	15/11	18/2	21/1	24/9	29/3	each.
,, **5129**.	(Antique.)	1/5		2/1	2/9	3/6	4/7	5/9	6/10	7/10	9/5	11/3	13/4	15/11	18/10	20/10	23/8	26/7	32/10	,,
,, **5130**.	(Script) Capitals	—		4/5	5/9	7/3	8/6	10/1	11/5	12/5	13/11	15/3	21/1	23/1	25/-	26/7	28/10	29/8	,,	
,, **5131**.	,, Smalls			2/11	3/10	4/10	5/9	6/9	7/8	8/4	9/2	10/1	14/-	15/4	16/8	17/10	19/2	19/10	,,	

CAST-IRON LETTERS AND NUMERALS.

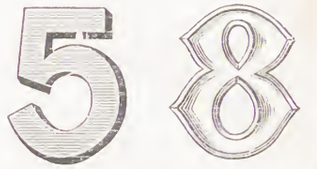
PLAIN BLOCK AND ORNAMENTAL.

(Drilled for fixing with Wood Screws.)



No. **5132**. No. **5133**.
Periods, Commas, and Dashes, **6**d. each.

	Block only.		Block and Ornamental.							
	1	2	3	4	6	7	9	12	16	20	24in.
Black	5d.	5d.	6d.	8d.	10d.	1/2	1/3	1/9	2/9	4/3	5/3 ea.
Porcelain Enamelled,	1/4	1/4	1/9	2/-	2/6	2/9	3/6	5/-	7/9	12/-	16/9 ,,
Metallic Enamelled, in Colours ..	1/1	1/1	1/6	1/8	2/-	2/6	3/-	4/-	6/6	8/6	11 6 ,,
Metallic Enamelled, relieved with Gold	1/8	1/8	2/2	2/6	2/9	3/6	4/3	6/6	9/-	11/-	14/- ,,
Gilt, with Gold Leaf,	2/9	2/9	3/3	5/6	8/-	9/-	10/6	15/6	18/3	21/6	24/- ,,



No. **5132**. No. **5133**.
Letters, with Batts for Stone. **6**d. each extra.



No. **5134**. **CAST-IRON HANDS.**
(Right or Left.)
To screw on Signboards.
Price .. .. **3/3** each.

BEVELLED POLISHED BRASS LETTERS FOR ATTACHING TO GLASS.



No. **5135**. Solid Double Bevelled Brass Letters. Up to and including 4 ins. high **4½**d. per in. 5½ ins. high **2/9** each, 6 ins. high **3/3** each.

IRON FIGURES OR LETTERS.



No. **5137**.

	1	1½	2	2½in.
Japanned Black,	6/9	9/3	12/9	16/-
Painted White,	8/-	12/-	16/-	21/3

per gross.

POLISHED BRASS LETTERS OR FIGURES.



No. **5138**. Figure.



No. **5138**. Letter.

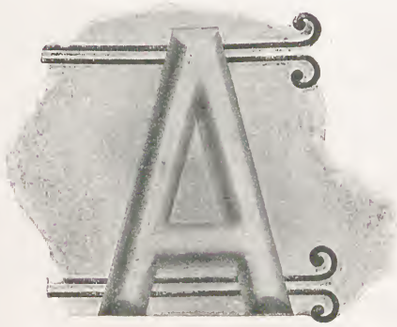


No. **5139**. To Drive.

Sizes,	1/16	3/8	1/2	5/8	3/4	7/8	1	1⅛	1¼	1½	1¾	2	2¼	2½ in.
Prices,	2/6	2/6	2/6	2/9	2/9	2/9	3/-	3/-	3/3	3/3	3/6	3/6	4/6	7/- per doz.

Letters or Figures same price.

"KOH-I-NOOR" METAL LETTERS.





No. **5140**.

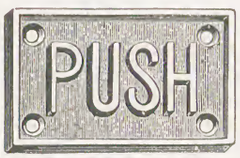
Height ..	2	5	10	12	15	20	25	30	36 ins.
	×	×	×	×	×	×	×	×	×
Average Width,	1¾	3⅜	5¼	8	12	12	15	18	21 ins.
Copper Gilded Letters	11d.	2/5	4/6	6/6	8/9	13/6	25/9	31/9	52/9 each.
Tinned Steel Gilded Letters ..	10d.	1/9	3/6	5/3	6/3	9/9	21/9	24/9	35/3 ,,
Tinned Steel Japanned Letters ..	4d.	1/3	1/6	2/-	3/-	4/3	15/-	16/6	26/6 ,,
Polished Copper or Brass Letters ..	5d.	1/9	3/-	4/6	6/3	8/-	18/6	21/3	35/3 ,,
Stops for any of above	3d.	5d.	7d.	7d.	1/-	1/-	1/9	2/4	4/9 ,,
Prices for Re-gilding Letters ..	7d.	1/2	2/4	3/6	5/3	8/-	10/6	14/3	17/9 ,,

The above prices are for Standard Pattern Letters only.

BRASS PLATES, CAST.



No. **5141**. "Warehouse" as drawn, **1/3** each
"In," "Out," "Ring," "Pull," "Push," "Shop," .. .. **5/9** doz.
"Ring also," "Knock & Ring," "Knock," "House," "Office," "Night" .. .. .. **6/9** ,,
"Private," "Servants," "Visitors" **8/-** ,,
Bronzed and Relieved. Drawn half size.



No. **5142**. "In," "Out," "Open," "Day," "Push," "Pull," "Ring," "Shop," **4/9** doz.
"Knock," "House," "Office," "Night," **5/9** doz.
"Visitors," "Servants," **6/9** doz.
Bronzed & Relieved. Drawn half size.



No. **5143**. "In," "Out," "Push," "Hot," "Cold," "Pull," "Post," "Open," "Shut," "Ring," "Shop," "Night," "Knock," **4/9** doz. **5/9** doz.
"Office," **6/9**; "Knock and Ring," **12/-** doz.
"Private," "Servants," "Visitors," "Surgery," "Letters," "Shop Bell," "Ring also," **6/9** doz.
Polished and Engraved. Letters Red or Black. Drawn half size.

ENAMELLED TABLETS ON IRON.

Attendant.
Architect.
Bath.
Bath Room.
Commercial Room
Cloak Room
Drawing Room
Day Room.
Enquiry Office.
Entrance Next Door
Front Hall.
Females.
Gentlemen Only
Ground Floor.
Hotel Entrance.
House Bell.



No. **5144**. Size, 6 × 1½ ins. (Full Size Drawing). **9**/- per dozen.
Any other wording required can be supplied
A large quantity of Tablets always in Stock, other than those mentioned.

Ladies' Room.
Ladies' Lavatory.
Night Bell.
Nurses' Room.
Order Office.
Office.
Pull and Let Go.
Post Office.
Show Room.
Stock Room.
To W.C.
Telephone.
W.C.
Warehouse.
Wine Cellar.
Yard Bell.

ENAMELLED IRON NUMBER PLATES.



No. **5145**.
Sizes, 3⅜ × 2⅜ ins.
6/3 per dozen.
Black on White Stocked.

ENAMELLED IRON TABLETS (IN ANY TWO COLOURS EXCEPT BRIGHT RED).



(EXAMPLE.)

No. **5146**.
Size of Plate 5 ins. wide.
3 inch Letters, **6d**. per letter.
Lengths to suit wording.



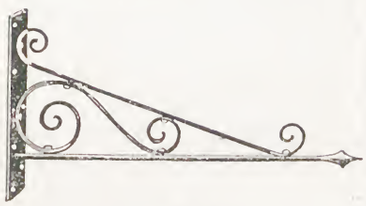
No. **5147**.
Size, 8 by 9 ins.
White Letters and Border Line on Blue Ground, or reversed, and varying distances marked on same. **21/6** per dozen.



No. **5148**. Enamelled Iron Double Sided Swing Signs. Two Colours and up to 50 letters.
Sizes, 18 × 12 **26/3** each.
,, 24 × 15 **36/6** ,,
,, 30 × 18 **54/6** ,,
,, 36 × 24 **73/6** ,,



No. **5149**.
Wrought Iron Brackets.
Length of Main Rod, 24 30 36 42 ins.
4/- 4/9 5/6 8/6 each.



No. **5150**.
Wrought Iron Brackets.
Length of Main Rod, 24 30 36 42 ins.
6/- 6/9 7/3 11/9 each.

Special Designs made to Customers' Orders and Sizes.



No. **5151**. Enamelled Iron Double Sided Swing Signs. Two Colours and up to 50 letters.
Sizes, 18 × 12 **32/-** each.
,, 24 × 15 **41/-** ,,
,, 30 × 18 **59/6** ,,
,, 36 × 24 **83/-** ,,

CHINA TABLETS (BLACK ON WHITE). 1 inch Letters.

We can substitute any writing for that on the Tablet, **1½d.** for every extra letter.



No. **5152**.
Sizes, 3⅜ × 1½ **12/6** 6 × 2½ **15/6** 8 × 2½ ins. **16/-** doz.



No. **5153**.
Sizes, 7½ × 3 **1/3** 11 × 3 ins. **1/9** each.



No. **5154**.
Sizes, 7 × 3 **21/-** 10 × 3 ins. **22/-** dozen.



CHINA NUMBER PLATES.

No. **5155**. Stock Size, 3½ × 2¼ ins.

	1 Fig.	2 Fig.	3 Fig.	
Black Figures on White	**5/6**	**5/9**	**7/-**	doz.
Gold ,, ,,	**6/-**	**8/-**	**10/9**	,,
,, ,, Black,	**6/6**	**8/6**	**11/-**	,,

CHINA TABLETS.



No. **5156**.
"Push" and "Pull."
2½×2 ins. **5/9** doz.
4⅜×2½ ,, **12/-** ,,





No. **5157**. "House" and "Night."
2×1 ins. **9/-** doz.
3×1 ins. **9/6** doz.

No. **5158**.
2½×¾ ins. **9/3** doz.



No. **5159**.
"W.C."
3×2½ ins. **5/3** doz.
4×2½ ,, **5/9** ,,

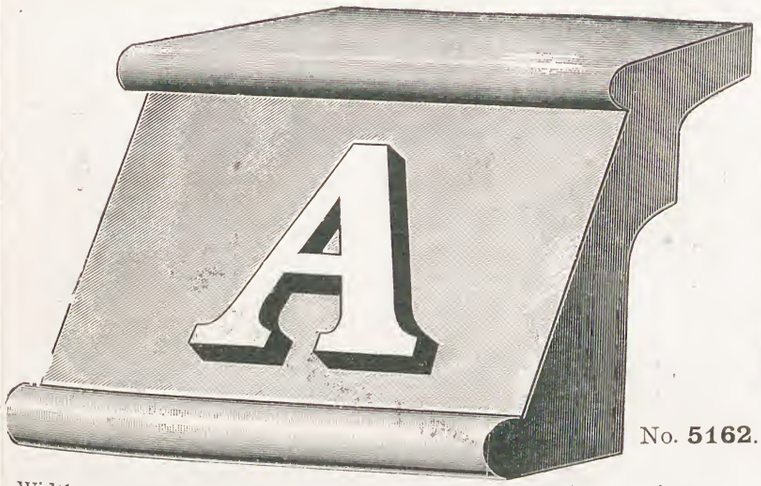
NAMEPLATES AND STALLBOARDS.

ENGRAVED BRASS PLATES TO ORDER.



No. 5160.	Size.	Brass Plate Engraved.	Zinc Plate Engraved.	With Polished Mahogany Mount.
	9 ins. × 4½ ins.	9/-	7/-	each. 2/9 extra.
	10 ,, 5 ,,	10/9	9/-	,, 2/9 ,,
	12 ,, 6 ,,	14/3	12/6	,, 3/6 ,,
	13 ,, 7 ,,	16/-	14/3	,, 3/6 ,,
	14 ,, 8 ,,	21/3	19/9	,, 4/6 ,,
	15 ,, 9 ,,	25/9	23/-	,, 5/3 ,,
	16 ,, 10 ,,	33/-	31/-	,, 7/- ,,
	18 ,, 12 ,,	44/-	42/6	,, 9/- ,,

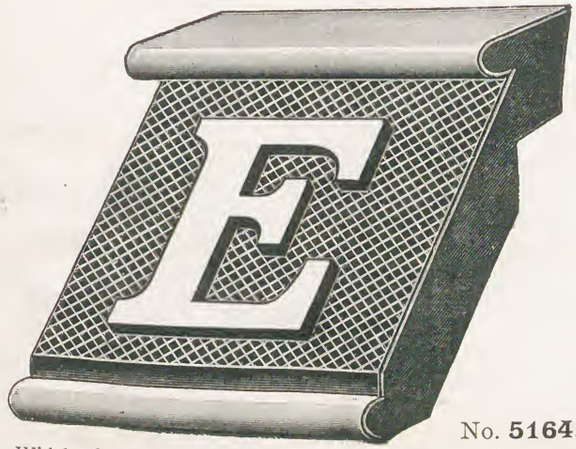
ENGRAVED BRASS WINDOW PLATES
Fitted to Wood Blocks and all necessary Fittings.



No. 5162.

Widths 7 8 9 10 12 15 18 20 ins.
12/6 14/3 16/- 17/9 21/3 26/9 32/- 35/6 per foot

METAL WINDOW PLATES WITH RAISED LETTERS.



No. 5164.

	Widths 6	7	8	9	10	12	18	20 ins.
Brass ..	9/-	10/6	12/6	14/3	16/-	19/6	30/-	33/9 per foot
Nickel Silver	10/6	12/6	14/3	16/-	17/9	21/3	32/-	35/6 ,,

Letters and Blocks charged extra according to size.

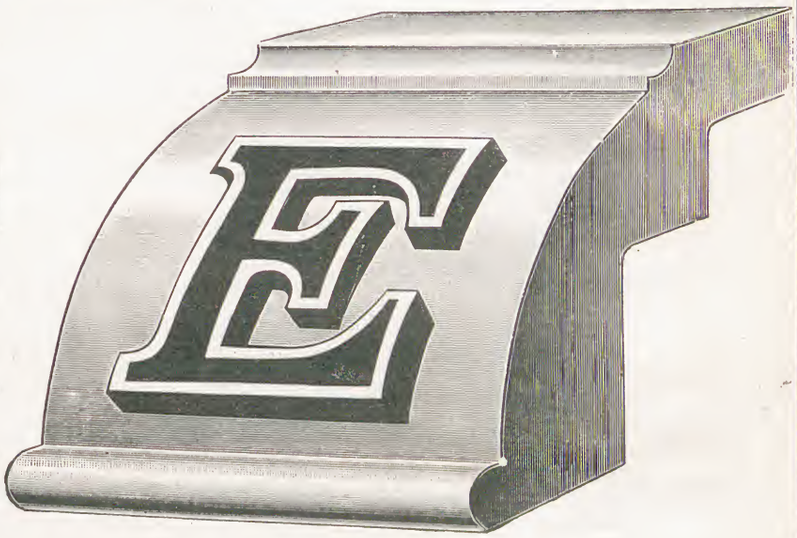
ENGRAVED BRASS WINDOW PLATES.
All Blocks and Letters included.



No. 5161.

Widths 8 9 10 12 18 20 24 30 ins.
14/3 16/- 17/9 21/3 32/- 35/6 42/6 53/6 per foot.

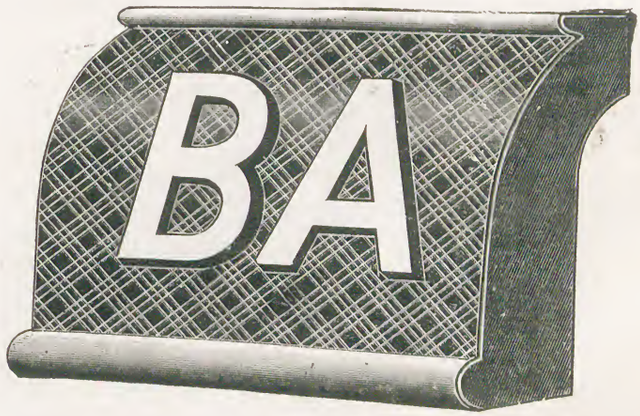
ENGRAVED BRASS WINDOW PLATES
Fitted to Wood Blocks and all necessary Fittings.



No. 5163.

Widths 7 8 9 10 12 15 18 20 ins.
12/6 14/3 16/- 17/9 21/3 26/9 32/- 35/6 per foot.

METAL WINDOW PLATES WITH RAISED LETTERS.



No. 5165.

	Widths 6	7	8	9	10	12	18	20 ins.
Brass ..	9/-	10/6	12/6	14/3	16/-	19/6	30/-	33/9 per foot.
Nickel Silver,	10/6	12/6	14/3	16/-	17/9	21/3	32/-	35/6 ,,

Letters and Blocks charged extra according to size.

PLATE GLASS MIRRORS FOR SHOPS, &c.

No. **5166**.

SILVERED PLATE GLASS.

Without Frames.

In Plates containing 1 to 30 feet super.

Prices on application, with sizes, thickness, etc., also polishing and bevelling if required.



No. **5167**. Black Bead Frames Only.

¾	1	1¼ in.
4d.	**5d.**	**6d.** per ft. run.

Bevelling (under 10 ft. super).

½	⅝	¾	⅞	1	1¼ inch bevel.
5d.	**5½d.**	**6d.**	**7d.**	**8d.**	**1/-** per ft. run.

Polishing Edges of Glass.

¼	⅜ inch plate.
4½d.	**6d.** per ft run, for plates up to 48 ins. long, and not over 10 ft.

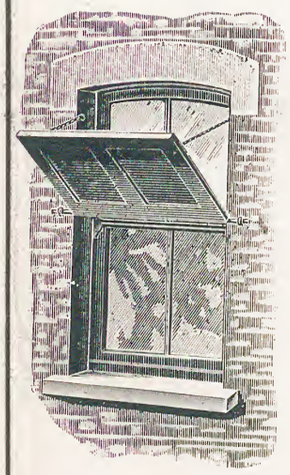
Plain Backs .. **3d.** per ft. super.

Panelled Backs **4½d.** ,,

For Customers' convenience in estimating these prices are given for Frames, etc., but on account of the constant fluctuations in the price of plate glass, it is as well to enquire for special quotations.

Special Note.—We guarantee to re-silver, without charge, all glass returned free of expense to us within twelve months from date of invoice, and found defective in the silver through any fault of ours.

DAYLIGHT REFLECTORS. Supersede Gas during daytime in badly lighted Shops, Offices, &c.



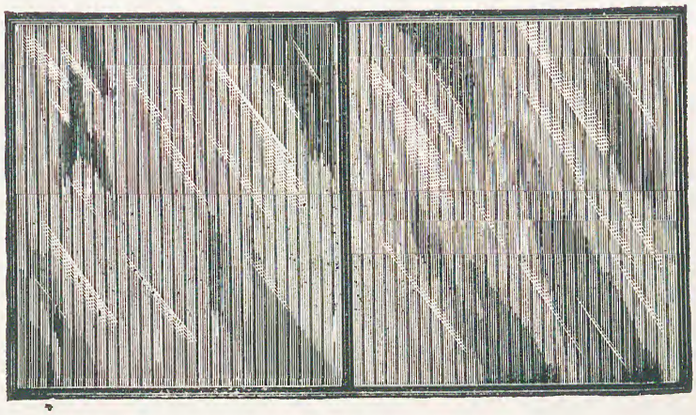
Drawing shows method of fixing.

The utility of Daylight Reflectors when properly and scientifically applied is now universally acknowledged, and they have been generally adopted with unfailing success.

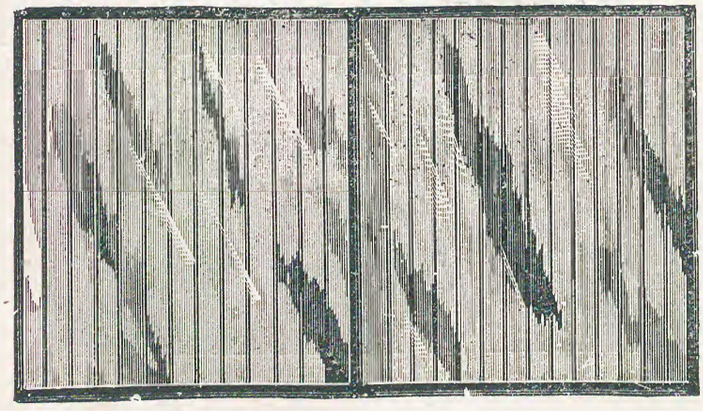
The reflecting surface, as perfected by the patent process of silvering, is all that can be desired.

Orders should state the width between Window jambs on the outside and the size of the Room to be Illuminated.

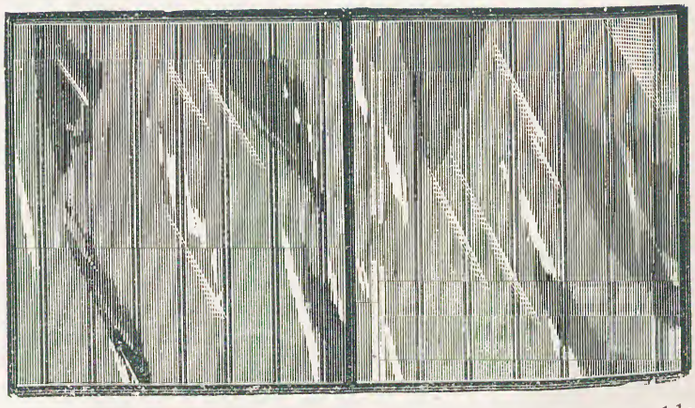
Iron Fittings and Chain charged **6/9** extra.



No. **5168**. Patent Silvered Narrow Fluted Glass in Strong Frames. Suitable for places where a moderate amount of light is required. **Price 5/9** per square ft.

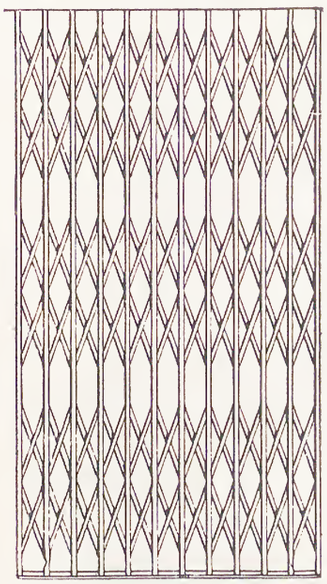


No. **5169**. A powerful medium, made of sheets of corrugated crystal fixed into strong wooden frames. A thoroughly good and effective Reflector in almost all situations.
Price 6/9 per square ft.



No. **5170**. The most powerful of Daylight Reflectors. Moulded sheets of crystal, coated with a deposit of pure silver. Twenty per cent. more powerful than No. 5169.
Price 8/6 per square ft.

"BOSTWICK" PATTERN EXPANDING GATES AND RAILINGS.



No. 5171.
Railing or Gate.

No. 5171.

ORDINARY TRACK GATES.

With fixed Top and Bottom Tracks, to slide straight or hinge aside.

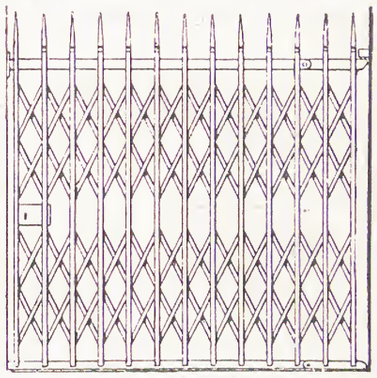
Price 3/9 per foot super.

No. 5172.

SPEARHEAD GATES.

With Folding Tracks, to slide straight or hinge aside.

Price 6/3 per foot super.

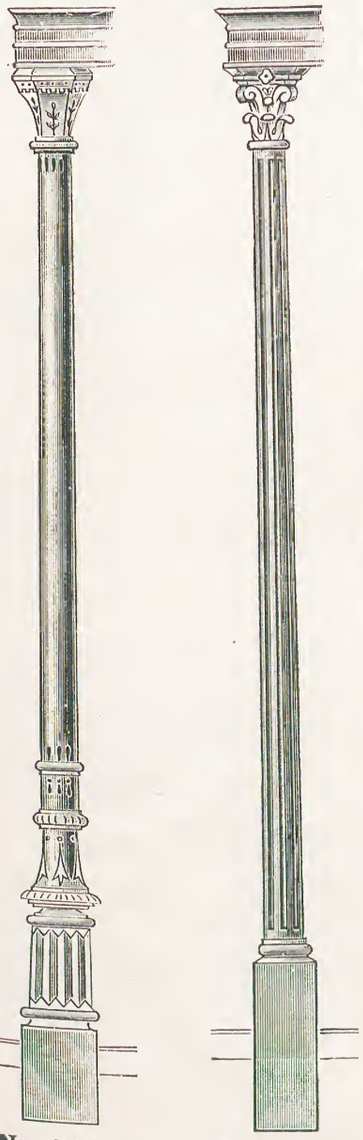


Locks, Special Fittings, and Erecting extra.

No. 5172.
Spear Head Gate.

BRASS ORNAMENTAL COLUMNS.

Cast Brass Caps and Bases.

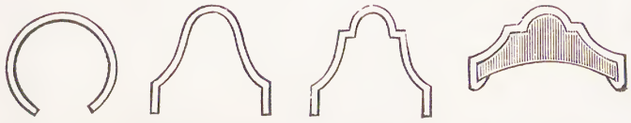


No. 5173.
8 ft. × 1½ in.
£5 6s. 6d. each.

No. 5174.
8 ft. × 1½ in.
£4 9s. 0d. each

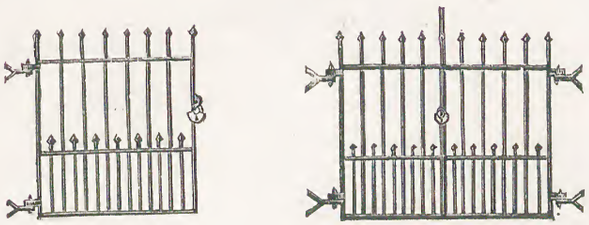
MACHINE-DRAWN BRASS MOULDING.

For Shop Windows.



No. 5177. **2/9**
No. 5178. **3/6**
No. 5179. **4/6**
No. 5180. **4/6**
per foot.

WROUGHT IRON GUARD GATES AND RAILING FOR SHOPS.



No. 5181. Single Light Guard Gate.

Sizes.

3 ft. 0 in. wide × 5 ft. 0 in. high	**29/3** each.
3 ft. 6 in. wide × 5 ft. 6 in. high	**32/-** ,,
4 ft. 0 in. wide × 6 ft. 0 in. high	**34/9** ,,
4 ft. 6 in. wide × 6 ft. 6 in. high	**38/3** ,,

No. 5182. Double Light Guard Gate.

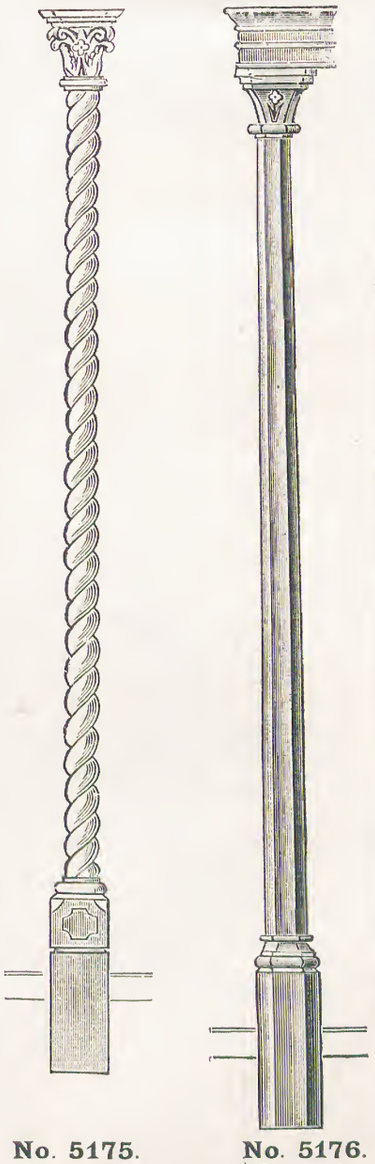
3 ft. 0 in. wide × 5 ft. 0 in high	**41/9** per pair.
3 ft. 6 in. wide × 5 ft. 6 in. high	**45/3** ,,
4 ft. 0 in. wide × 6 ft. 0 in. high	**48/9** ,,
4 ft. 6 in. wide × 6 ft. 6 in. high	**53/3** ,,

No. 5183. Wrought Iron Railing, to match, 3 ft. high, **3/6** per foot.

Painted one coat. Padlocks extra.

BRASS ORNAMENTAL COLUMNS.

Cast Brass Caps and Bases.

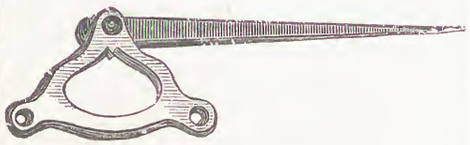


No. 5175.
8 ft. × 1½ in.
£3 11s. 0d. each

No. 5176.
8 ft. × 1½ in.
£4 0s. 0d. each

BELL FITTINGS.

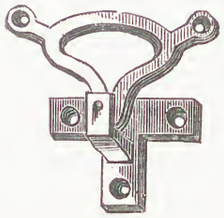
END OR SIDE DRIVING CRANKS.



No. **5184.**

1 2 3 4 fly.
2/6 4/3 6/- **8/-** per doz.

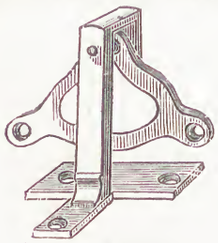
LEADER CRANKS.



No. **5185.**

1 2 3 4 fly.
6/6 9/9 13/6 16/9 per doz.

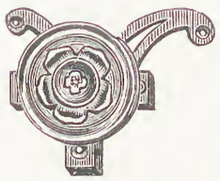
PILLAR CRANKS.



No. **5186.**

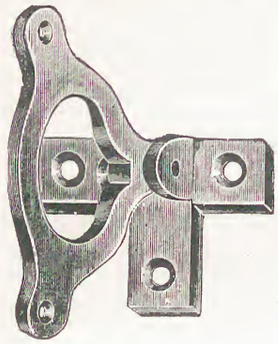
1 2 3 4 fly.
8/9 12/3 16/3 21/- per doz.

ROSE PURCHASE CRANKS.



No. **5187.**
11/3 per doz.

TURNOVER CRANKS.



No. **5188.**

1 2 3 4 fly.
6/6 9/9 13/6 16/9 per doz.

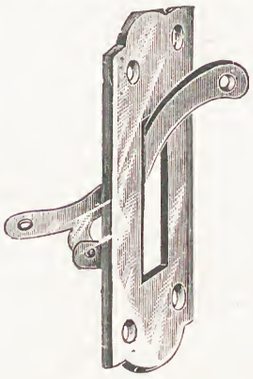
MORTICE CRANKS.



No **5189.**

1 2 3 fly.
10/3 14/6 19/3 per doz.

SPRING MORTICE CRANKS.



No. **5190.—18/9** per doz.

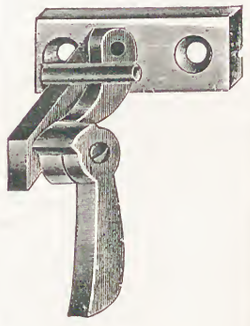
WHEEL & CHAIN CRANKS.



No. **5191.**—Mortice.
10/3 per doz.

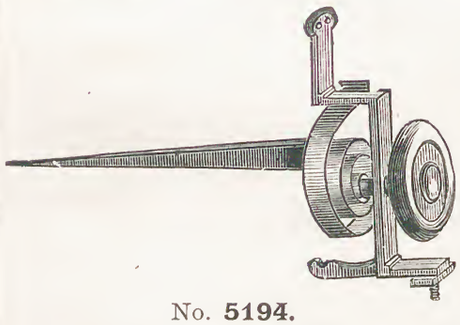
No. **5192.**—Leader.
10/3 per doz.

TRIGGER CRANKS.



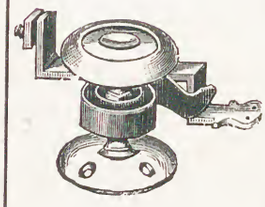
No. **5193.**
12/- per doz.

DRIVING BELL CARRIAGE.

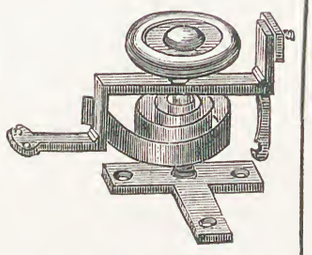


No. **5194.**
7/6 per doz.

PLATE BELL CARRIAGES.

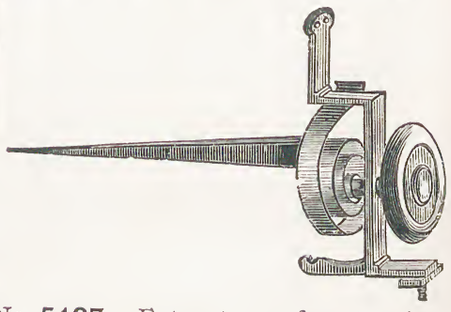


No. **5195.**
9/6 per doz.



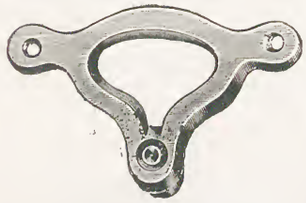
No. **5196** —Extra Strong.
16/6 per doz

DRIVING BELL CARRIAGE.



No. **5197.**—Extra strong, for 5 to 7 ins.
Yard Bells, **5/3** each.

LOOSE FLYS.



No. **5198.—2/-** per doz.

COPPER WIRE.



1/4 per lb.

COPPER RIVETS AND BURRS.

1/6 per lb.

ZINC BELL TUBES.

No. **5199.**

Prices per doz. 8 ft. Lengths.

$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ in.
3/9 4/6 6/6 7/- 9/6 12/3

SUBJECT TO THE MARKET'S FLUCTUATIONS.

BELL SPRINGS, BEST.



No. **5200.**

Size.
$4\frac{1}{2}$ **2/9**
5 **3/6**
$5\frac{1}{2}$ **4/3**
6 **5/9**
Per doz.

CARRIAGE SPRINGS.

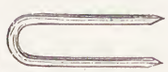


No. **5202.** Best.

2/9 per doz.

WIRE BELL STAPLES.

No. **5204.**



Tinned.

$\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 $1\frac{1}{4}$ in.
2d. **2**$\frac{1}{4}$d. **2**$\frac{1}{2}$d. **3**d. **3**$\frac{1}{2}$d. **4**d.
Per gross.

BELL LEVER CHAINS.

No. **5205**



8 Links .. **1/6** per doz.
10 ,, .. **2/3** ,,

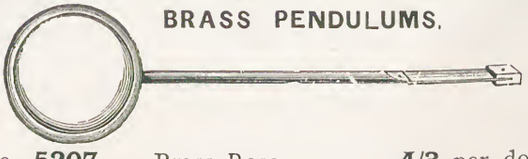
COPPERED STEEL WIRE CHECK SPRINGS.

No. **5206.**



Sizes 5 $5\frac{1}{2}$ 6 7 ins.
12/- **13/-** **14/-** **16/-** per gross.

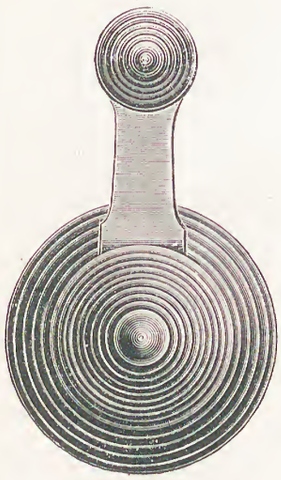
BRASS PENDULUMS.



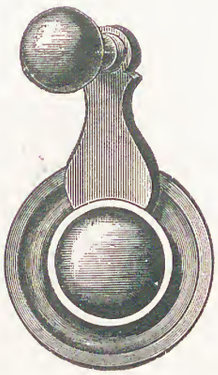
No. **5207.** Brass Rose .. **4/3** per doz.
No. **5208.** China Rose .. **5/9** ,,

POLISHED BRASS BELL LEVERS AND PULLS.

BELL LEVERS.



No. **5209.**
Polished Brass Reeded.
6/6 per pair.
Cheaper Quality. No. **5210.**
5/6 per pair.



No. **5211.**

Plain White China	**4/9**	per pair.
Plain Black China	**4/9**	,,
White and Gold	**5/6**	,,
Black and Gold	**5/6**	,,

Can supply cheaper quality in this pattern.



No. **5212.**

Plain White China	**3/9**	per pair.
Plain Black China	**3/9**	,,
White and Gold	**4/9**	,,
Black and Gold	**4/9**	,,



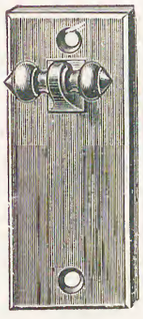
No. **5213.**
Polished Brass
New Floral Pattern
7/- per pair.

SLIDE BELL PULL.

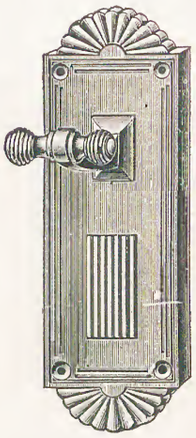


No. **5214.**
Sizes 4 $4\frac{1}{2}$ $5\frac{1}{2}$ in.
9/3 **12/3** **16/6**
per dozen.

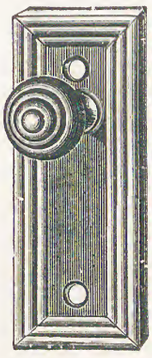
QUADRANT BELL PULLS.



No. **5215.**
Quadrant.
Sizes $4\frac{1}{4} \times 1\frac{1}{2}$ $4\frac{1}{2} \times 2\frac{1}{2}$ ins.
2/3 each. **4**/- each.

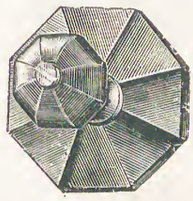


No. **5216.** Quadrant.
3/9 each.
Drawn one-third size.



No. **5217.**
$5\frac{1}{2}$ in. Quadrant.
5/6 each.

KNOB BELL PULL.

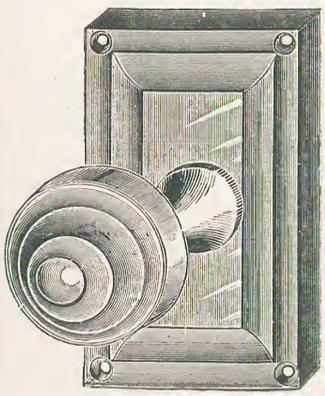


No. **5218.**

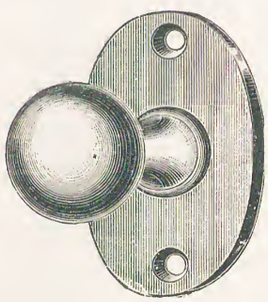
$2\frac{1}{2}$	3	$3\frac{1}{2}$ ins
2/-	**2/6**	**3/3**

each.

KNOB BELL PULLS.



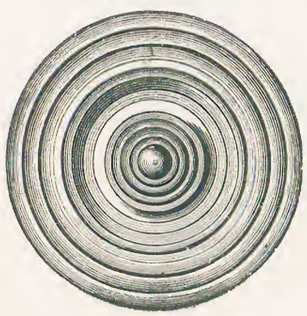
No. **5219.**
3/9 each.
Drawn half size.



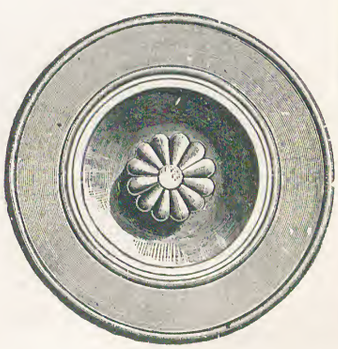
No. **5220.**
Polished.

Sizes 2	$2\frac{1}{2}$	3 ins.
8d.	**10d.**	**1/1** each.

SUNK BELL PULLS.

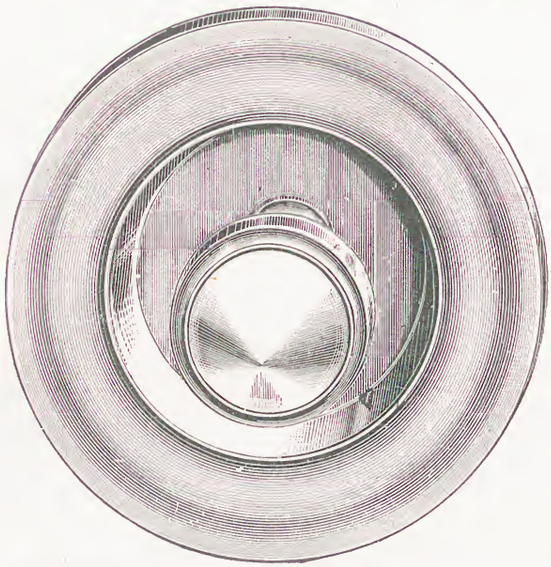


No. **5221.**
Sizes 3 4 5 6 ins.
3/9 **5/6** **6/3** **11/3**
each
With Electric attachment,
2/- extra.



No. **5222.**
Sizes 4 5 ins.
3/- **4/3** each.
"Servants" and "Visitors" same price. With Electric Attachment, **2**/- extra.

BELL PULLS.



No. 5223.

Good Plain Bold Pattern, Suitable for Public Buildings, etc.

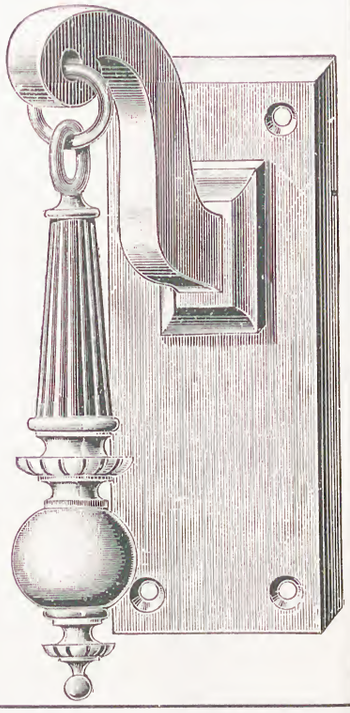
Sizes,	4	4½	5	5½	6 ins.
Bronzed Brass ..	**4/9**	**6/-**	**7/9**	**10/-**	**12/6** each.
Polished Brass ..	**5/3**	**6/9**	**8/3**	**10/6**	**12/9** ,,

No. 5224.

Polished or Bronzed Brass Quadrant Pull, Bold and Elegant Design, Strong and well finished.

Price –14/6 each.

Drawn half size.



PENDANT BELL-PULLS AND CRANKS, IRON AND BRASS.



No. **5225.**
Antique Ironwork.
Dull Black. Semi Bright.
4/- **4 6** each.
Drawn quarter size.



No. **5226.**
24 Inch,
Berlin Black,
4/- each.
Polished Brass,
10/- each.



No. **5227.**
20 Inch,
Berlin Black,
2/9 each.
Polished Brass,
7/- each.

IRON BELL CRANKS.



Plate, 6½×2½ ins.
No. **5231.**

Berlin Black ..	**13/6** dozen.
Brass	**32/-** ,,

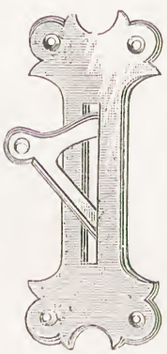
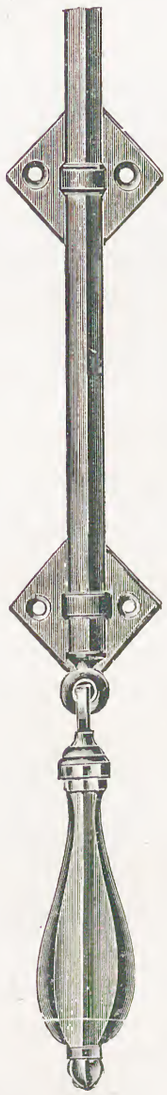
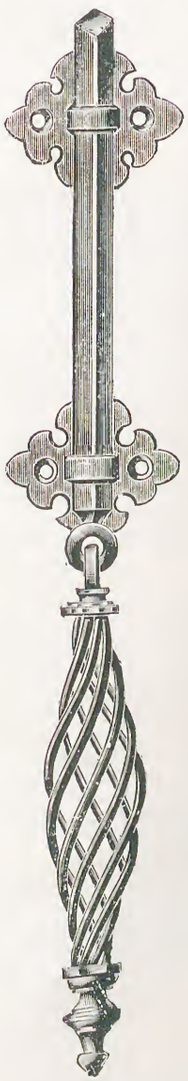


Plate 5¾×3 ins.
No. **5232.**

Berlin Black ..	**13/6** dozen.
Brass	**32/-** ,,





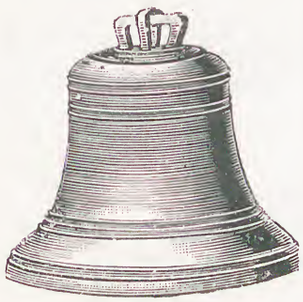


	No. **5228.**	No. **5229.**	No. **5230.**
Iron ...	**9 3**	**8 6**	**12 9** each.
Bronzed Brass	**13 3**	**13 6**	**18 3** ,,
Polished Brass	**15 3**	**16/6**	**20 6** ,,

Drawn one-third full size.

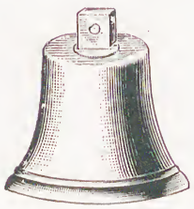
HOUSE, CHURCH, SCHOOL, AND FACTORY BELLS.

CHURCH BELL.



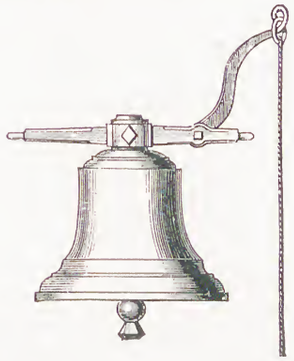
No. **5233.**
2 lb. or 5 ins. dia. at mouth,
To
2 cwt. or 20 ins. ,, ,,
1/7 per lb.
In Best Quality Metal Only.

HOUSE BELL.



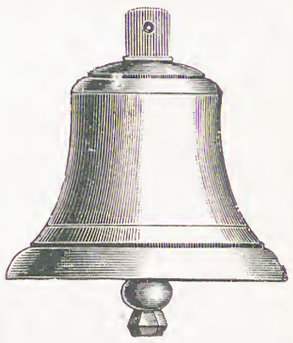
No. **5234.**
1/4 per lb.

PLANTATION BELL.



No. **5235.** With Wrot Iron Cross Bar, Lever, Blocks, Chain and Eye for Rope.
Sizes, 9 10 11 12 13 14 15 18 ins.
40/- 55/- 74/6 90/- 112/- 134/6 216/- 303/- each.

PLANTATION BELL.



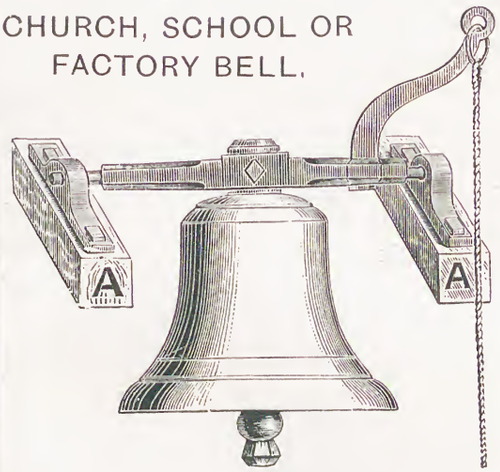
No. **5236.**
With Clapper Only.
1/6 per lb.

PLANTATION BELL.



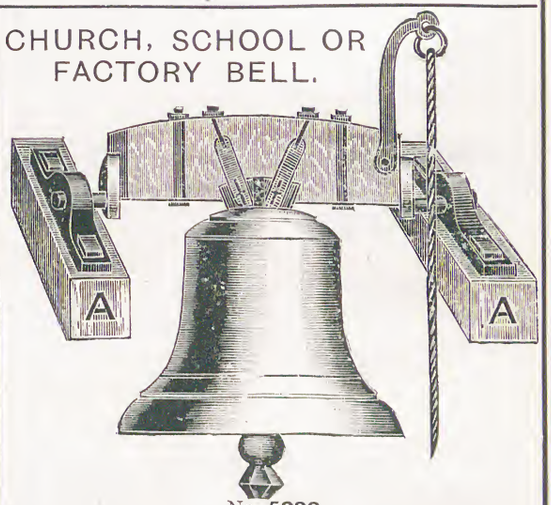
No. **5237.**
With Wrot Iron Cross Bar and Lever.
9 10 12 14 16 17 18 ins.
31/6 45/6 80/9 125/6 205/6 223/6 292/6 each.

CHURCH, SCHOOL OR FACTORY BELL.



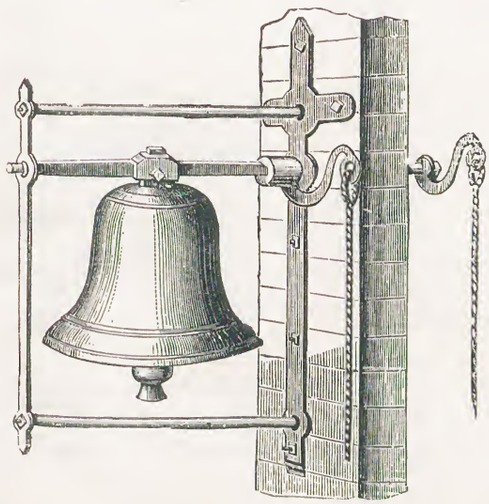
No. **5238.**
With Wrot Iron Stock and Cranked Lever, Gun-metal Blocks, Rope, etc., ready to fix in Turret.
12 14 16 18 20 ins.
£5 11 9 £8 15 9 £13 11 0 £17 11 6 £23 3 3 each.

CHURCH, SCHOOL OR FACTORY BELL.



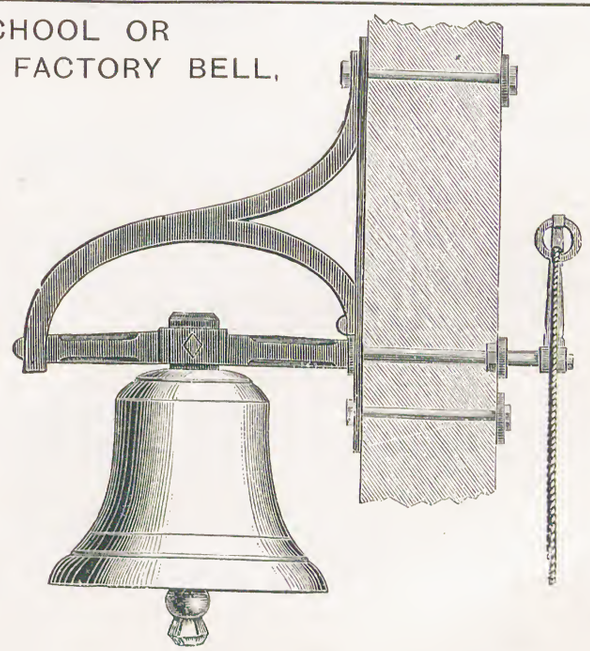
No. **5239.**
With Wood Stock and Cranked Lever, Gun-metal Blocks, Rope, etc., ready to fix in Turret.
12 14 16 18 20 ins.
£7 3 9 £11 0 0 £15 3 6 £20 15 0 £24 15 0 each.

SCHOOL OR FACTORY BELL.



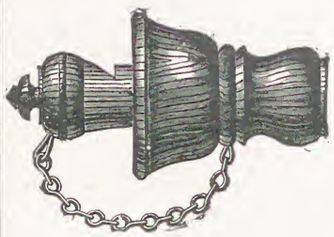
No. **5240.**
Adapted to be rung either Inside or Outside Building.
If Inside, thickness of wall to be given.
Sizes, 9 10 11 12 13 14 ins.
£4 8 0 £5 12 0 £5 19 9 £7 12 0 £9 3 9 £10 15 6 each.
If required to Ring Inside Building, **6/3** to **9/-** extra.

SCHOOL OR FACTORY BELL.

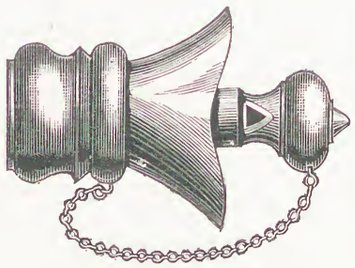


No. **5241.**
Another method of Hanging, for Inside or Outside Building.
If Inside the thickness of the wall to be given.
Sizes, 9 10 11 12 13 14 ins.
£5 4 0 £6 7 9 £6 15 9 £8 7 9 £11 4 0 £13 3 6 each.
If required to Ring Inside Building **9/-** to **13/6** extra.

BRASS AND WOOD MOUTHPIECES AND WHISTLES.



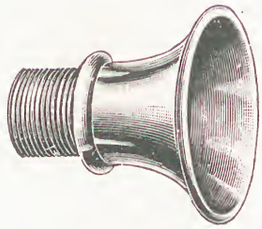
No. 5242.
Mouthpiece and Whistle.
Male or Female Screw.



No. 5243.
Mouthpiece and Whistle.
Male or Female Screw.

		Cocus.	Ebony.	Ivory.	
No. 5242. Round	Male	**11/3**	**14/-**	**97/6**	per doz.
	Female	**14/-**	**16/-**	**116/-**	,,
No. 5243 Oval	Male	**17/9**	**19/9**	**120/-**	,,
	Female	**18/9**	**20/6**	**127/6**	,,

No. 5244. If with Indicators **3/-** per dozen extra.



No. 5245.
Mouthpiece only.
Polished Brass.
18/- per dozen.
Drawn half size.



No. 5246.
Polished Brass.
57/6 per dozen.
No. 5247. With Indicator.
66/6 per dozen.
Drawn half size.

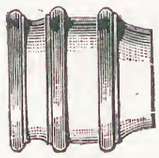
BRASS SPEAKING TUBE FITTINGS.

For Iron & Braided Tube.



No. 5248. Male.
½ ¾ in.
5/3 **7/-** per dozen

For Iron & Braided Tube.



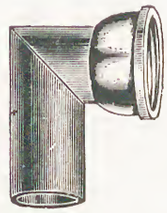
No. 5249. Female.
½ ¾ in.
5/3 **7/-** per dozen

For Iron and Lead.



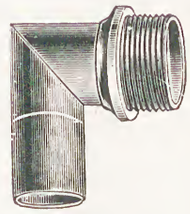
No. 5250. Female.
½ ¾ in.
4/6 **6/6** per dozen

For Iron and Lead.



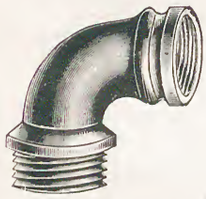
No. 5251. Female.
½ ¾ in.
6/6 **8/-** per dozen

For Iron and Lead.



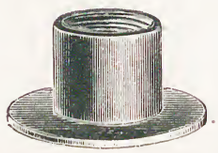
No. 5252. Male.
½ ¾ in.
7/- **9/-** per dozen

For Iron and Iron.



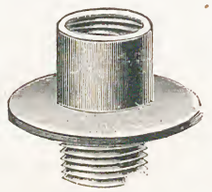
No. 5253.
Male and Female.
¼ ¾ in.
6/6 **9/-** per dozen

For Iron and Iron.



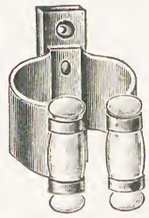
No. 5254.
Female both ends.
¼ ¾ in.
7/6 **9/3** per dozen

For Iron and Iron.



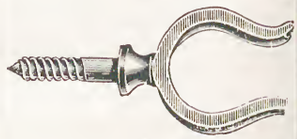
No. 5255
Male and Female.
½ ¾ in.
7/3 **9/3** per dozen

Tube Holder.

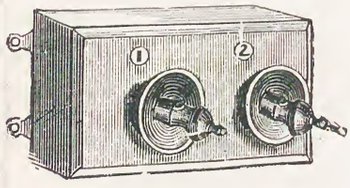


No. 5256.
7/- per dozen
Drawn half size.

Tube Holder.



No. 5257.
With Rose.
5/3 per dozen



No. 5258.

Walnut Case, with apertures to take mouthpieces and hangers to attach to wall.

Price 2 **13/3** 3 **18/9** 4 **21/3** 6 **26/9** each.

Mouthpieces and Labels are not included in prices.

Mounts are required (see above) to hold mouthpieces fast.



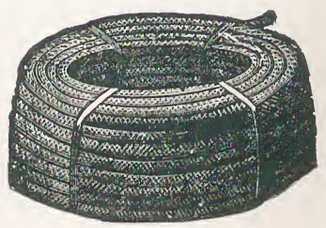
No. 5259.
"Professional" Door Plate, Polished Brass with Bell Push and Mouthpiece, engraved "Press," "Night," and "Speaking Tube."
Size 8½ × 3 in.
Price 13/3 each



No. 5260.

Speaking Tube Set, consisting of 24 inches of Tube ¾ in., fitted with connection and oval cocus mouthpiece and whistle one end, and connection for iron other end, either male or female.

4/9 per set complete.



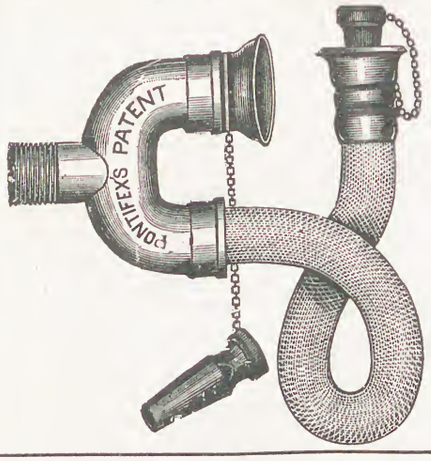
No. 5261.

Flexible Braided Speaking Tubes.

Covered Mohair, Red and Black or Scotch Plaid.

External Diameter ½ ¾ ⅞ ins
9d. **1/-** **1/3**

per foot.



THE "PONTIFEX" PATENT SPEAKING TUBE FITTINGS.

No **5262.** Set, consisting of ½ in. Male Junction-piece, 1 Mouth-piece, 1 Ear-piece, attached to 18 in. Flexible Tube .. .. **6/3** per set.

„ **5263.** Set, ¾ in., Ditto ditto .. .. .. **9/-** „

„ **5264.** Set, consisting of ½ in. Junction-piece, 1 Mouth-piece, on 2 ft. Flexible Tube, 1 Ear-piece on 2 ft. 6 ins. of ditto .. .. **8/-** „

„ **5265.** Set, ¾ in. Ditto ditto .. .. ..**11/-** „



Not in use.

"BLACK'S" PATENT SPEAKING TUBE. (16 in. overall.)

No **5266.** Ordinary, with Braided Tube .. .. .. **8/6** each.

„ **5267.** With Mohair and Silk Tube and Silk covered Bellows .. .. **15/6** „

„ **5268.** Handsomely covered Bellows and Ivory Mouth-piece .. .. **23/-** „

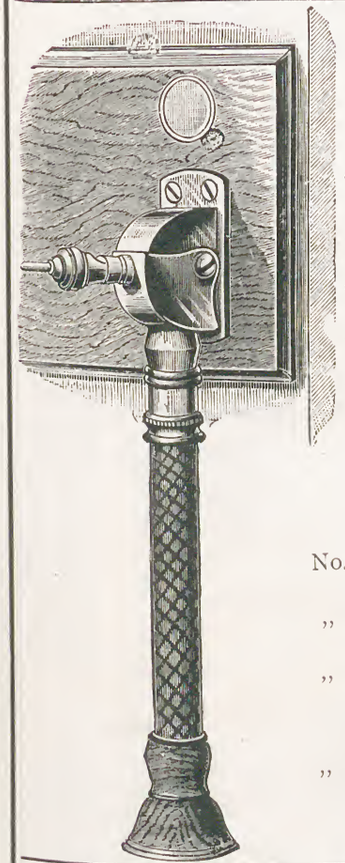
If fitted with Indicators .. .. **2/9** per Terminal extra.

Larger Bulbs for distances over 100 ft. **3/3** „ „

If fitted with ⅛ in. Iron Nipple .. **1/3** „ „

Can be supplied any length at an extra charge per foot for Tubing.





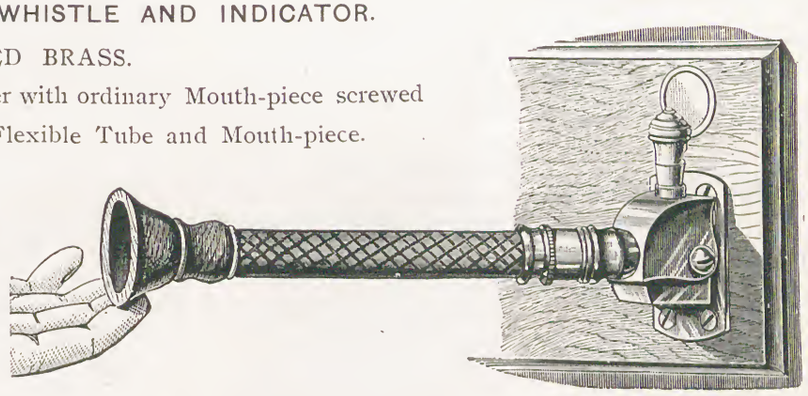
REVOLVING CONNECTIONS,

WITH SELF ADJUSTING WHISTLE AND INDICATOR.

POLISHED BRASS.

These connections can be used either with ordinary Mouth-piece screwed into the connection or with Flexible Tube and Mouth-piece.

To speak through tube, mouth-piece is raised as shown. When conversation is ended, it is allowed to fall and immediately the whistle drops into position for use again.



No. **5269.** Connection Screwed ½ in. Iron with Cocus or Ebony Mouth-piece .. .. .. **12/-** each.

„ **5270.** Ditto, ¾ in. Iron, ditto, .. **14/6** „

„ **5271.** Connection Screwed ½ in. Iron fitted with 1 ft. of ¾ in. Flexible Tubing, and Cocus or Ebony Mouth-piece .. .. **14/-** „

„ **5272.** Ditto, ¾ in. Iron and 1 ft. of ⅞ in. Tubing .. .. **16/6** „

THESE CAN BE FITTED WITH ANY LENGTH OF FLEXIBLE TUBING TO ORDER.

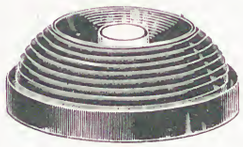
ZINC TUBES AND FITTINGS.

		Diameter, ¾	⅞	1 in.	
No. **5273.**	Tubes, Airtight and Ferruled, ready for fixing, in 8 ft. Lengths	**1/1**	**1/3**	**1/4**	per length.
„ **5274.**	Obtuse Angle	**8d.**	**8d.**	**9d.**	each.
„ **5275.**	Round Elbow	**8d.**	**8d.**	**9d.**	„
„ **5276.**	Syphon	**1/6**	**1/7**	**1/9**	„

WOOD, CHINA AND POLISHED BRASS ELECTRIC PUSHES AND PULLS.



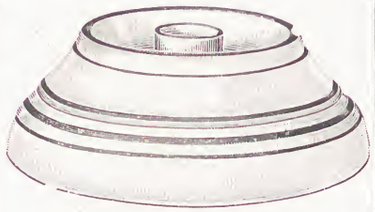
No. **5277**.



No. **5278**.

Cocus, Walnut, Oak, Mahogany, Rosewood, Teak, and Ebonized Boxwood.

		Sizes	1¾	2	2½	3	3½ ins.	
No. **5277**.	Plain		**6 9**	**7 9**	**8 6**	**10 3**	**15**/-	per doz.
No. **5278**.	Reeded		—	**9 3**	**9 9**	**11 9**	**16 9**	,,



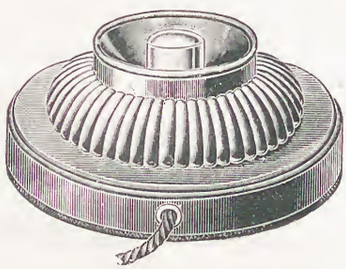
No. **5279**.



No. **5280**.

Best Quality China with Wood Backs.

		Sizes	2½	3 ins.	
No. **5279**.	White, Cream or Black, with Three Gold Lines		**10 9**	**11 6**	per doz.
No. **5280**.	Raised Wheat and Gold on Cream		—	**33/3**	,,



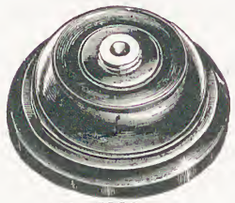
No. **5281**. Polished Brass Table Push.

2½ ins. **5 9** 3 ins. **6**/- each.

PEAR PUSH AND ROSETTES.



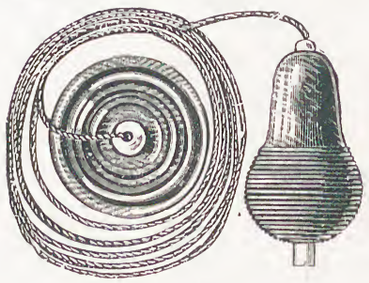
No. **5282**.



No. **5283**.

Cocus, Walnut, Oak, Rosewood, Mahogany, Ebonized.

No. **5282**. Pushes... ... ... **11/9** per doz.
No. **5283**. Rosettes ... ... **9 9** ,,



Set No. **5284**.

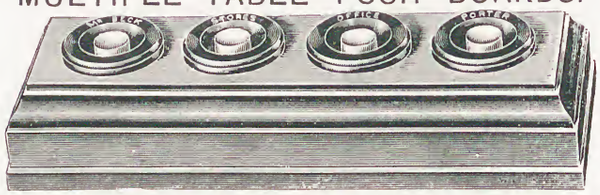
Consisting of Combination Push or Pull, Two Yards Silk Flexible Cord and Rosette, Ebony, Cocus, or Walnut ... ... **5/3** per set.



No. **5285**. Brass.

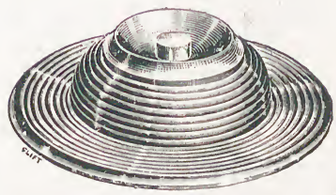
Sizes	1¾	2	2½	3 ins.
	15/3	**16 9**	**19/3**	**20/9** doz.

MULTIPLE TABLE PUSH BOARDS.



No. **5286**. Polished Walnut, Simple Moulding, Flat Top, Imitation Ivory Plungers and Nozzle, Countersunk Ebonite Cups with Rims for Engraving, Silver Points and Brass Screws throughout. Board-weighted and Base covered Green Baize.

No. of calls.	1	2	3	4	5	6	7	8	9	10	11	12
	4/-	**5**/-	**6**/-	**7/3**	**8 9**	**10**/-	**11/3**	**12/9**	**14**/-	**15/3**	**16 9**	**18**/- per board complete.



No. **5287**. Brass.

Sizes	1¾	2	2½	3 ins.
	15/3	**16 9**	**19/3**	**20/9** doz.



No. **5288**. Flat Backs. Bronzed, "Press" Cast in Bright Letters.

Sizes	2½	3	3½	4 ins.
	13/6	**16**/-	**21/3**	**25/3** doz.



No. **5289**. Bright Brass with fixed China Press Plunger.

Sizes	2½	3	3½	4 ins.
	15/3	**16/9**	**25/3**	**32**/- doz.



No. **5290**.

Brass Barrel Push.

Sizes	2½	3	3½	4 ins.
	42 9	**45/3**	**49/3**	**60**/- doz.

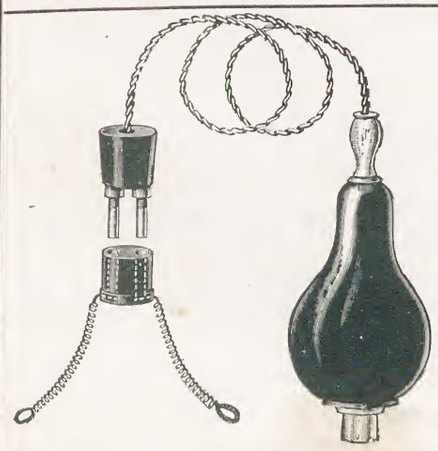


No. **5291**. Bright Brass Pushes.

Sizes	1½	2	2½ ins.
No. **5291**.	**20**/-	**26/9**	**33/3** doz.
No. **5292**.	**38 6**	**53/3**	**60**/-



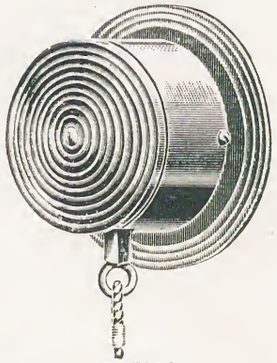
No. **5292**.



No. **5293**.

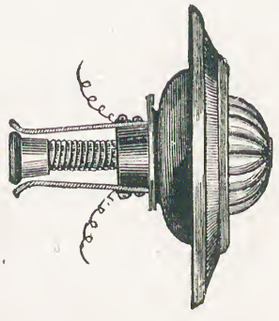
Extension Plunger with Three Yards Silk Flexible Cord and Pear Push.

3/3 each.



No. **5294**.

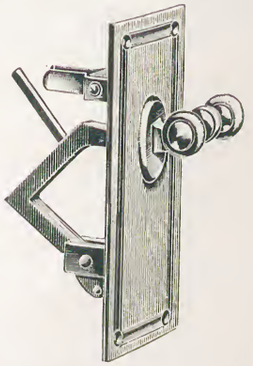
Polished Brass Reeded Bedroom Pull. Straight Pull, **3**/- each.



No. **5295**.

Bright Brass or Bronzed and Lettered.

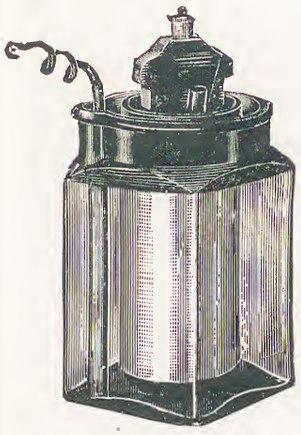
Sizes ...	4	4½	5 ins.
	6 9	**8 9**	**10**/- each.



No. **5296**. Quadrant Pull Bright Brass. 6½ × 2 ins. ... **8 9** each.

ELECTRIC BATTERIES, DOOR ALARMS AND SWITCHES.

LECLANCHÉ BATTERIES.



No. **5297** Complete.
Sizes, 3-Pint. Quart.
2/8 **1/6** each.
Sealed, **8d.** each extra.

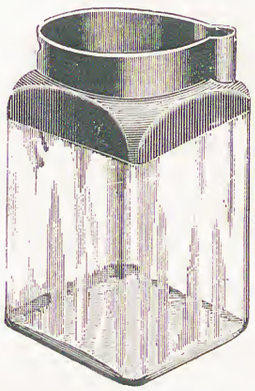
PARTS FOR LECLANCHÉ BATTERIES.



No. **5298.**
Sizes. Porous Pots (Charged).
3-Pint .. **18/-**
Quart .. **8/9**



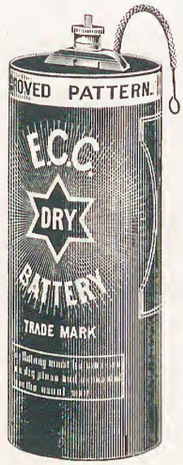
No. **5299.**
Zinc Rods (Best).
5/3
4/-



No. **5300.**
Glass Jars (Dipped).
8/- dozen.
5/3 ,,

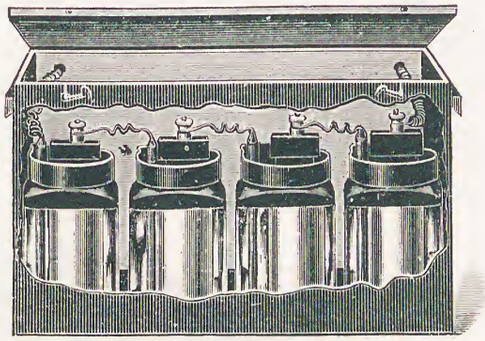
No. **5301.** Crushed Sal-Ammoniac. **8d.** per lb.

"E.C.C." DRY BATTERY.



No. **5302.** 8 ×3¼ ins. dia. **4/-** each.
No. **5303.** 7 ×2¼ ,, **2/9** ,,
No. **5304.** 5¾×2 ,, **2/-** ,,

COMPLETE SETS OF BATTERIES.



In Painted Wood Boxes.

Nos.			2	3	4	6	8	10	Cells.
5305.	Leclanché (Porous Pot)	No. 1	**9/3**	**12/3**	**15/3**	**22/6**	**29/3**	**36/-**	each.
5306.	,, ,,	,, 2	**6/3**	**8/-**	**9/9**	**14/3**	**18/9**	**23/-**	,,
5307.	E.C.C. Dry ..	,, 1	**11/-**	**15/3**	**19/9**	**28/9**	**38/3**	**48/-**	,,
5308.	,, ..	,, 2	**8/-**	**11/-**	**14/-**	**20/3**	**27/-**	**34/-**	,,
5309.	,, ..	,, 3	**6/9**	**9/-**	**11/3**	**16/3**	**21/9**	**27/3**	,,

"CENTURY" DRY BATTERY.

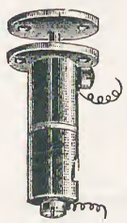


No. **5310.** **1/9** each.

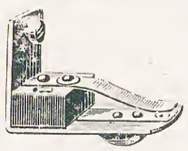
BURGLAR AND DOOR ALARMS AND WINDOW CONTACTS, &c.



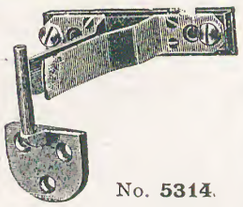
No. **5311.**
Brass Base with German Silver Spring and Ebonite Plunger.
1/6 each.



No. **5312.** Brass Barrel for Windows. Tempered Spring, Platinum Contacts and Counter Door Plate.
2/9 each.



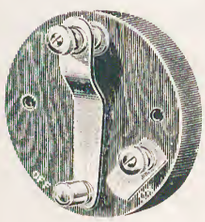
No. **5313.**
Best Steel Two-way Door Alarm. Rings when Door is Opened or Shut. Rubbing Contact.
1/9 each.



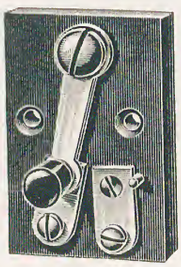
No. **5314.**
Ebonite Base Door Alarm, to Ring when Door is Opened or Shut.
2/3 each.



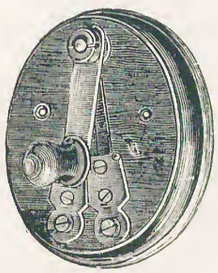
No. **5315.** Floor Contact or Foot Press. Brass Barrel with Removeable Plunger for Dining Rooms, etc.
3/- each.



No. **5316.**
Lever Switch. Polished Walnut Base, Nickelled or Lacquered Brass Fittings.
1 way **2/-** 2 way **2/6** 3 way **3/-** 4 way **3/6** each.



No. **5317.** Lever Switches. No. **5318.**
Polished Walnut Bases, Nickelled Fittings.
1-way No. 5317 **1/3** .. No. 5318 **1/6** each.
2-way ,, **1/9** .. ,, **1/10** ,,
3-way ,, **2/-** .. ,, **2/3** ,,



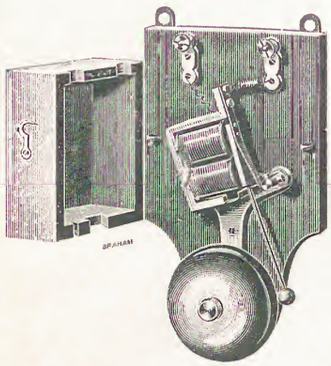


No. **5319.**
Brass Curves for Pushes.
Sizes, 2½ 3 3½ 4 in. pushes.
2/- **2/3** **2/6** **3/-** each.

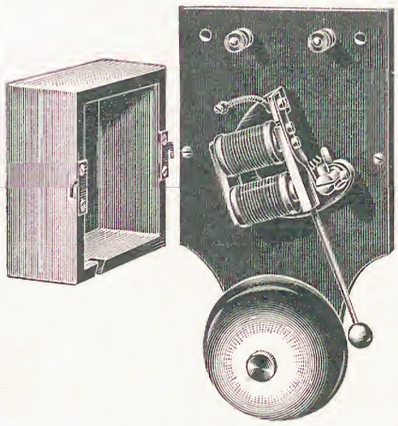


No. **5320.**
Public Fire Alarm in Cast Iron Box. Either Automatic or with Press.
53/- each.

ELECTRIC TREMBLING BELLS.

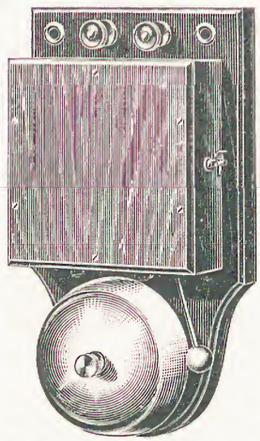


Sizes.	No. 5321. Nickelled Bell Metal Gongs.	No. 5322. Nickelled Sheep Gongs.
2¼ ins.	2/3	2/9 each.
3 ,,	3/3	3/9 ,,
3½ ,,	4/-	4/9 ,,
4 ,,	5/-	6/- ,,

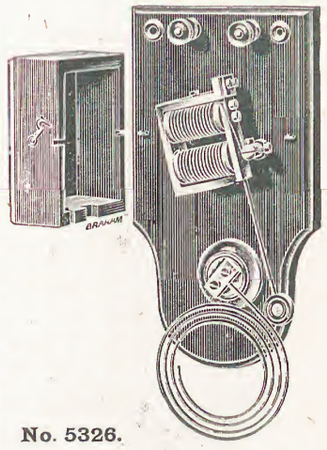


Cheap and Reliable English made.
2¾ in. Gong.

No. 5323. Nickelled Bell Metal Gong **3/9**
No. 5324. Ditto Sheep Gong .. **4/3**
Each.

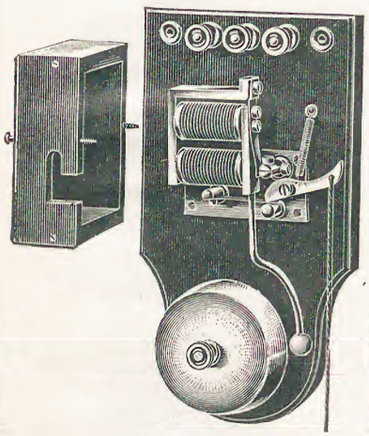


No. 5325.
Best Quality, Polished Teak Case, etc.
Sizes, 2¾ 3 3½ 4 6 ins.
5/- 5/3 6/9 7/3 16/9 each.



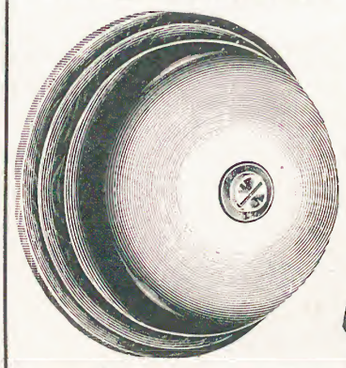
No. 5326.
Best Quality (Extra Superior), Church, Sheep or Steel Wire Gongs.
(As shown.)
Sizes, 2¾ 3 3½ 4 4½ 5 6 ins.
12/9 14/- 16/9 19/3 21/3 30/- 35/3 ea.

CONTINUOUS ACTION.



No. 5327.
Sizes, 3 4 5 6 ins.
Best Quality, **14/- 20/- 33/3 43/3** each.
No. 5328.
Medium ,, **12/- 16/9** — — ,,
No. 5329.
Ordinary ,, **6/- 8/9** — — ,,

SINGLE STROKE.

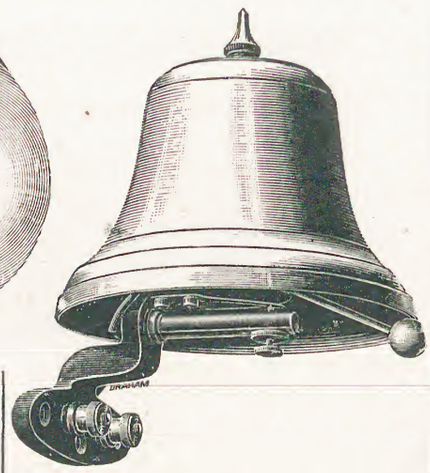


No. 5330.

Gravity Release Movement, Mounted under 4½ in. Gong Nickel-plated, fitted on Polished Teak Base. This Bell gives a loud and clear tone, and is far superior to any other type of Single Stroke Bell.

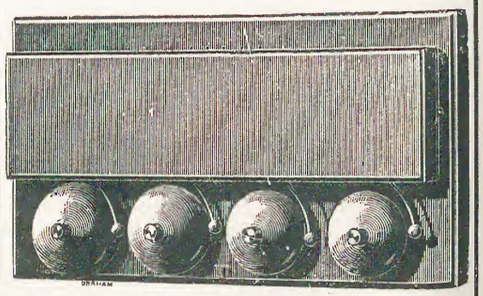
10/- each.

"WHITTINGTON."



No. 5331.
Sizes, 3½ 4 4½ 5 6 ins.
10/- 12/- 13/3 18/- 23/3 each.

CHIME BELLS.



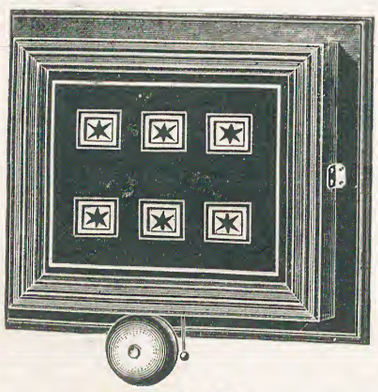
No. 5332.
Number of Bells, 2 3 4 5 6
Ordinary Quality, — **12/6 15/3 18/9 22/9** ea.

No. 5333.
Best ,, **18/6 23/3 30/- 36/- 43/3** ea.
Each Bell of a different tone.

BELL INDICATORS.

Writing Names of Rooms on Glass, in Gold, **8**d. per No. Writing Name and Address only, **2/-** extra.

PENDULUM MOVEMENT.

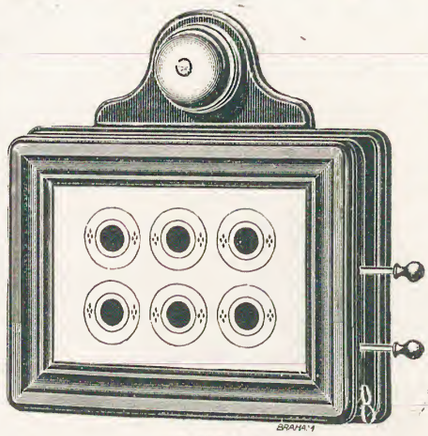


No. 5334.
Polished Imitation Teak Case, Real Teak Moulding and Lancashire Movements.

2 Numbers	..	**3/3** per Number
3 and 4 ,,	..	**2/9** ,,
15 to 20 ,,	..	**2/-** ,,

No. 5335.
Skeleton Bells fitted as shown **3/3** each extra.

MECHANICAL REPLACEMENT.

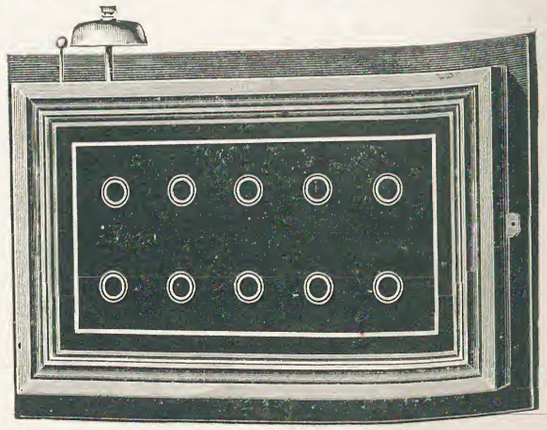


No. 5336.
Polished Teak or Walnut Cases, fitted with Best Drop Movements or Glass Fronts.

2 Numbers	...	**8/-** per Number.
3 ,,	...	**6/9** ,,
4 ,,	...	**6/-** ,,
5 ,,	...	**5/9** ,,
6 to 40 ,,	...	**5 3** ,,

No. 5337. Bell on Tailpiece as shown, **7/3** each extra.

ELECTRICAL REPLACEMENT.

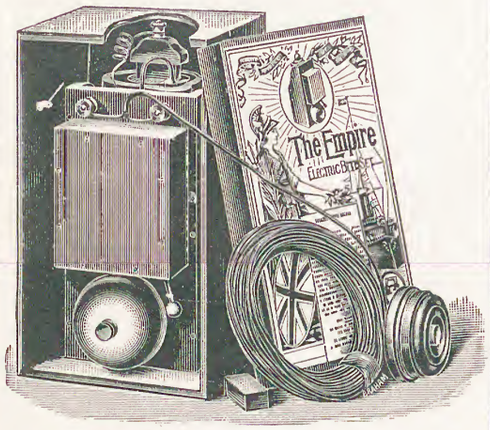


No. 5338.
Highly Polished Solid Teak or Walnut Case, Best Quality.

2 Numbers	...	**10/-** per Number.
3 ,,	...	**8/-** ,,
4 ,,	...	**7/-** ,,
5 ,,	...	**6/6** ,,
6 and up ,,	...	**6/-** ,,

No. 5339. Bell fitted as shown, **6/-** each extra

COMPLETE ELECTRIC BELL SETS.

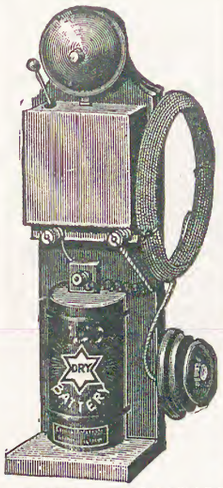


No. **5340**.—"EMPIRE."

2¾ in. Bell, No. 3 Leclanché Cell, mounted in Polished Teak Case, 12 yards Double Wire, Wood Push and Staples. The whole in compact Box.

Complete, **14/-** per set.

No. **5341**. With Dry Cells, do. **16/-** ,,

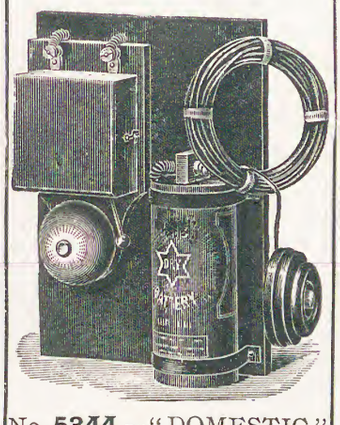


No. **5342**.—"MORNING CALL."

2¾ in. Bell, No. 2 Leclanché Cell, 2½ in Wood Push, 12 yards Double Wire, on Stained Wood Board, and Staples.

Complete, **8/9** per set.

No. **5343**.—With Dry Cell, **10/9** per set.

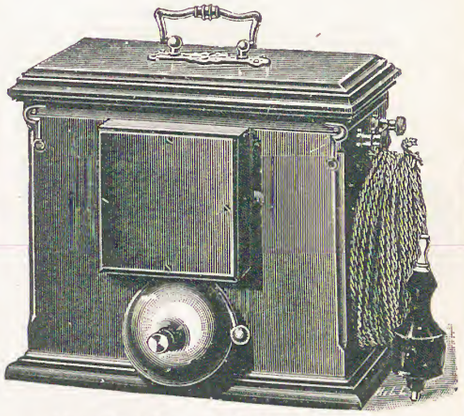


No. **5344**.—"DOMESTIC."

2¾ in. Bell, No. 2 Leclanché Cell, 2½ in. Wood Push, 12 yards Double Wire, mounted on Walnut Board, and Staples.

Complete, **10/-** per set.

No. **5345**.—With Dry Cell Complete, **12/-** per set.



No. **5346**.—"COMPANION."

Handsome Polished Walnut Case, Two No. 2 E.C.C. Dry Cells, 2½ in. Bell, 30 yards Double Silk Wire, and Pear Push, complete with Staples.

26/9 per set.

ELECTRIC WIRES FOR BELL AND TELEPHONE LINES, &c

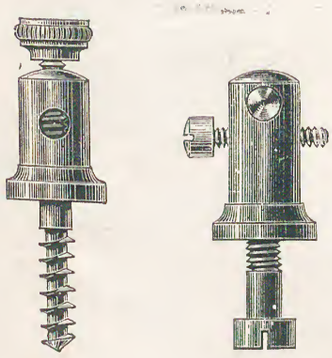
		Per Mile.	Per 110 yds.
No. **5347**.—Copper Wire, Double Cotton Covered and Paraffined. For Dry Places.	22 B.W.G. 20 ,,	**£2 4 0** **3 1 9**	**3/9** **4/6**
No. **5348**.—Tinned Copper Wire, Covered with Pure India-rubber, then Double Cotton Covered and Paraffined. For Wiring Houses	22 B.W.G. 20 ,, 18 ,,	**£3 6 0** **4 8 0** **8 8 9**	**4/6** **4/9** **6/9**
No. **5349.**—Copper Wire, Plain Gutta Percha Covered, for Damp Places and Underground. (Not Taped and Tarred.)	20 to 14 S.W.G. 20 to 12 ,, 18 to 9 ,,	**£8 16 0** **14 3 9** **25 2 3**	— — —
No. **5350.**—Twin Wires. Both Wires Cotton Covered and Paraffined, then laid side by side and lapped Cotton Covered and Paraffined	2/22 B.W.G.	**£5 13 6**	**10/-**
No. **5350a.**—Twin Wires. One India-rubber, One Cotton Covered, then Cotton Covered and Paraffined	2/22 B.W.G.	**£6 12 0**	**12/3**
No. **5351**.—Flexible Silk Cords. Copper Wire, Longitudinal Cotton Covered and Lapped Silk	2 Strand, Thin 2 ,, Thick	**15/3** gross yds. **22/-** ,,	**1/9** doz. yds. **2/3** ,,

INSULATING MATERIAL.

No. **5352.** Gutta Percha Tissue .. .. **2/6** per sq. yd.
,, **5353.** ,, Jointing Sheet $\frac{1}{16}$ in. thick **11/6** per lb.
,, **5354.** Ebonite Sheet, Rods or Tubes from **6/-** ,,

No. **5355.** India-rubber Coated Tape, ½, ¾ or 1 in. wide **2/6** per lb.
,, **5356.** ,, Strip (pure Para) 22 W.G. .. **15/6** ,,
,, **5357.** ,, Solution in ¼, ½ or 1 lb. tins .. **2/9** ,,
,, **5358.** Chatterton Compound in 2 oz. or ¼ lb. sticks **6/9** ,,

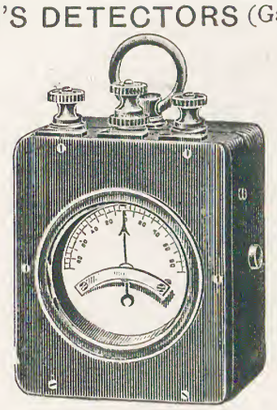
BINDING SCREWS AND TERMINALS (Brass).



No. **5359.** No. **5360.**

All sizes and kinds can be supplied on receipt of particulars. Drawings and Prices submitted if required.

LINESMAN'S DETECTORS (Galvanometers.)



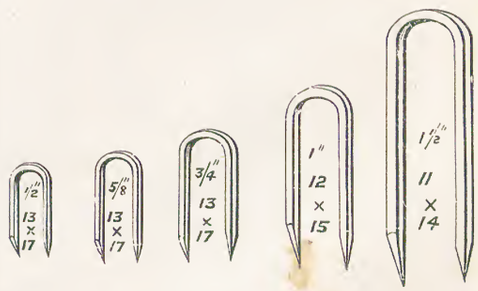
No. **5361.**—Sizes, 4 ins. × 3½ ins. × 2¼ ins. Dovetailed Polished Mahogany Case, Brass Terminals, Ring and Bezel, Silvered Dial graduated to 90°, Ivory Bobbins, in Card Box, with instructions.

Single Bobbin for Intensity .. .. **30/-** each.
,, ,, up to 500 ohms. **36/-** ,,
Double Bobbin for Intensity and Quantity; label in case gives particulars of resistance, etc. .. .. **40/-** ,,
Strong Leather Case to take above Detector **6/9** ,,

No. **5362.**

STAPLES.

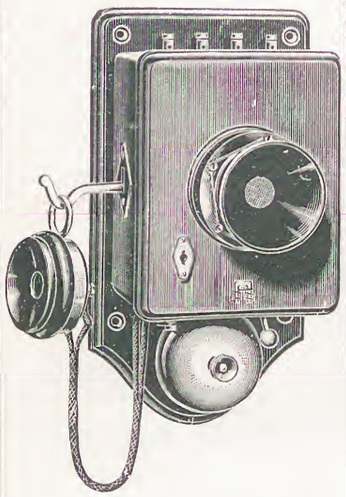
Best Steel Coppered, with Pointed Ends, Round or Square at top.



For Indoor Wiring.

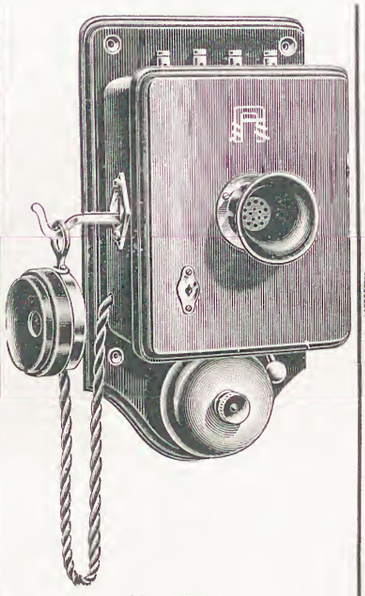
Sizes ⅜ ½ ⅝ in.	¾ 1 1¼ 1½ 2 in.
Coppered, **10**d.	**9**d. per lb.
Tinned **11**d.	**10½**d. ,,

WALL TELEPHONE STATIONS.



No. **5363.**

Wall Pattern Direct Working Telephone. Complete with Microphone, "Watch" Receiver, Call Bell, Ringing Key, Automatic Switch Hook, mounted in Solid Walnut Case, and all metal parts Nickel-plated .. **33/3** each.

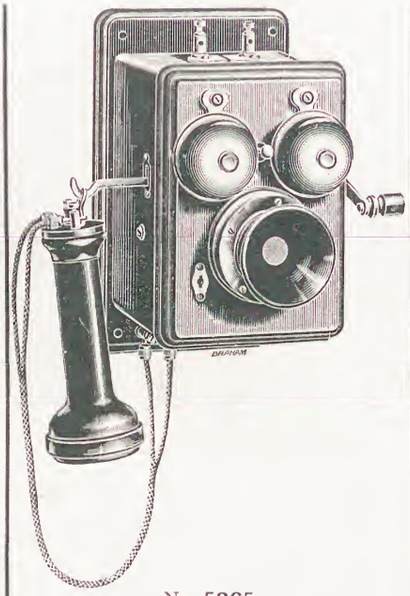


No. **5364.**

"Byng" Complete Telephone Station Complete with Microphone, Induction Coil, Watch Receiver, Call Bell, Ringing Key, and Automatic Switch Hook, mounted in well Polished Case, for indoor or outdoor lines. Strongly recommended.

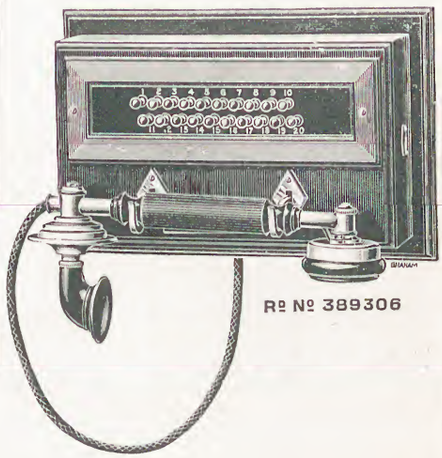
18/- each.

Suitable for Offices, Warehouses, &c.



No. **5365.**

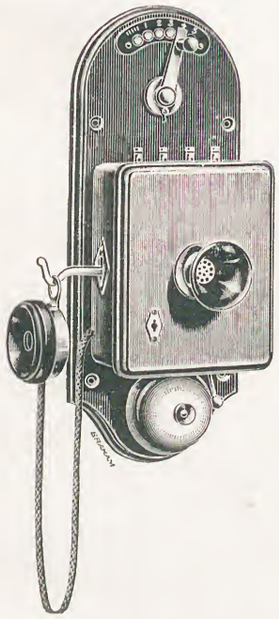
Long Distance Phone with Magneto Call. Complete for any distance up to one mile' Consisting of the "Hunningscone Deckert" Transmitter with Induction Coil, Double Pole Bell Receiver, Double Magnet Generator and Polarised Call Bell, with Automatic Switch Hook as illustrated .. .. .. **52/6** each. If with Backboard as No. 5368 and battery box for two E.C.C. Cells .. **64/-** each.



No. **5366.**

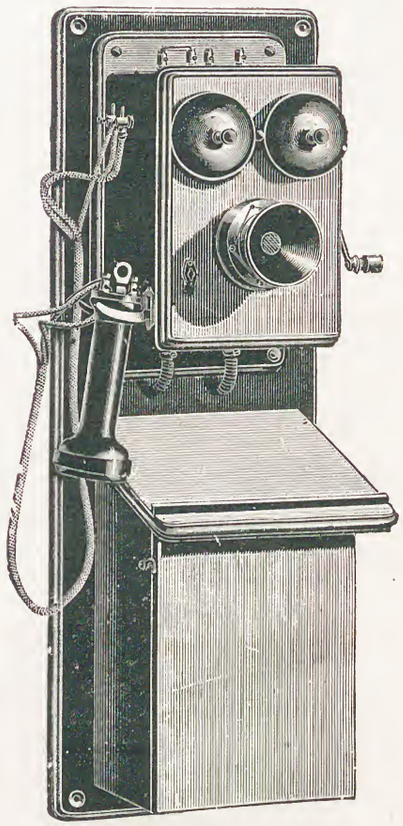
Wall Set. Self-replacing, Intercommunication Telephones. Hand Combination with switch in handle, Buzzer, Induction Coil, Automatic Switch Hook, and Special Push Button Line Selectors. The terminals are so arranged that connections may be made on the front.

For 5 10 15 20 25 30 lines.
92/- 96/- 100/- 106/6 120/- 136/- each.



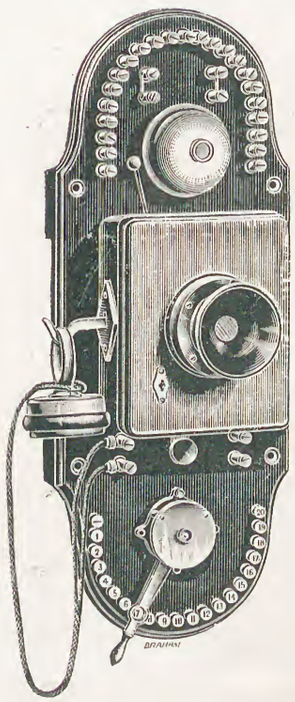
No. **5367.** The "Byng" Intercommunication Telephone. Consisting of "Byng" Microphone, Induction Coil, Double Pole "Watch" Receiver, Call Bell, Ringing Key, and Line Selector.

For 5 10 15 20 Lines.
33/3 . 86/6 40/- 43/3 each.



No. **5368.**

Long Distance Telephone with Magneto Call. Complete with Triple Magnet Generator, Polarised Call Bell, "Hunningscone Deckert" Transmitter Induction Coil, Double Pole Bell Receiver, Automatic Switch Hook and Toothed Plate Lightning Protector, will call through 20,000 Ohms. Walnut Backboard and Battery Box to hold two No. 2 E.C.C. Dry Cells.
84/6 each.



No. **5369.**

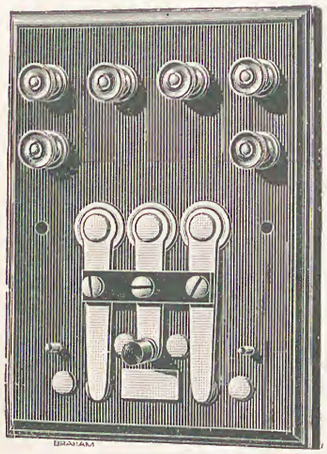
Consisting of "Hunningscone Deckert" Microphone, Induction Coil, with Double Pole "Ring" Receiver, Line Selector, Call Bell and Ringing Key.

For 5 10 15 20 25 30 lines.
53/3 56/6 60/- 63/3 74/6 80/- each

NOTICE.—We do not undertake to supply any of above Telephones exact to illustrations, as improvements are constantly being made, and the appearance of any article may thereby be somewhat altered.

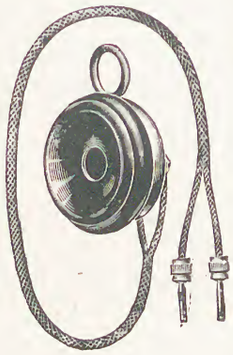
TABLE TELEPHONES, RECEIVERS, SWITCHES, &c.

EXTENSION SWITCH.

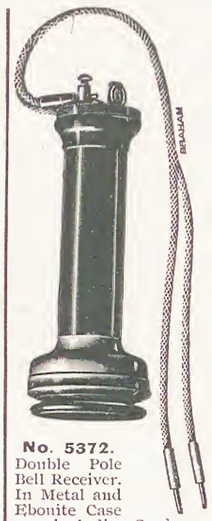


No. 5370. With Three positions A to B and C and vice versa and B to C through A, with call off on Extension Bell to A.
8/- each.

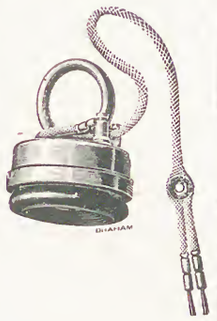
TELEPHONE RECEIVERS.



No. 5371. Double Pole "Watch" Receiver.
In Metal Case including Cord
8/- each.



No. 5372. Double Pole Bell Receiver. In Metal and Ebonite Case including Cord
12/- each.



No. 5373. Double Pole "Ring" Receiver.
In Metal Case including Cord.
12/- each.

BATTERY TELEPHONE TABLE SET.

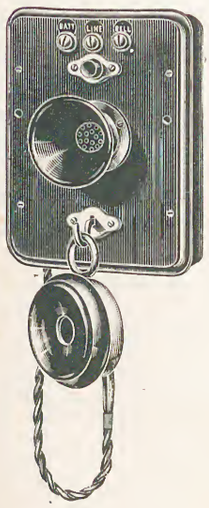
Suitable for Offices, Hotels, and general indoor use.
Also for short line installations, such as house to stable, house to lodge, office to works, &c., &c.



No. 5374. Comprising "Byng Hunnings" Transmitter Induction Coil, Double Pole Watch Receiver, Call Buzzer (25 ohms Resistance), Ringing Key, two yards of four way flexible Conductor and Connecting Rosette.
Mounted in well-seasoned polished Solid Walnut Case, with all metal parts nickel-plated.
29/- each.
The above may be used in conjunction with No. 5364.

"GEEKO" TELEPHONES FOR FITTING TO EXISTING ELECTRIC BELLS

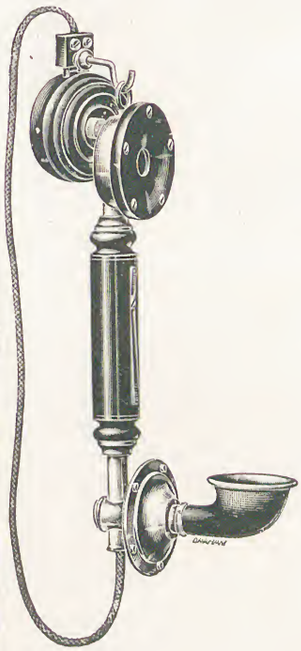
IN PRIVATE HOUSES OR OFFICES.



No. 5379.
THE "KITCHEN."
Suitable for the Kitchen or Servants' Hall.
To be used in conjunction with the "Compact" or "Portable" Phones.
14/- each.



No. 5380.
THE "DUPLEX" direct working Telephone with automatic double switch for ringing to two different positions such as "up" and "down," "Waiter," "Chambermaid," &c.
32/- each.



No. 5381.
THE "PORTABLE,"
For the same purpose as the "Compact," but can be carried from one room to another.
Including special push and plug
24/- each.
Extra wall pushes
1/**8** each.

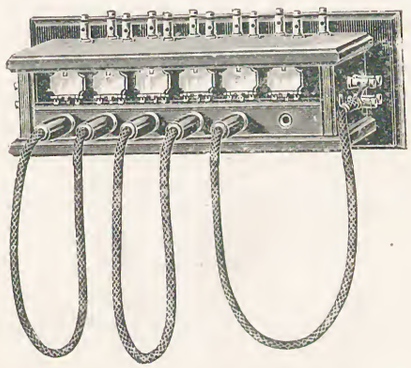
COMPLETE TELEPHONE STATION.



No. 5375. The "Handcom" Table Pattern.
On well finished pedestal cradle. Two yards flexible cord and a four-way connecting wall Rosette. Very neat in appearance and efficient in practice. **54**/**6** each.

CENTRAL STATION SWITCHBOARD.

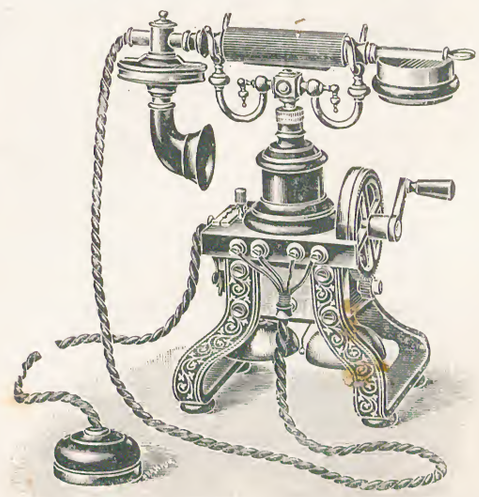
(WALL PATTERN).



No. 5376. **No. 5377.**

No. of Lines.	For Single Lines.	For Double Lines.
2	**30**/-	**34**/- each.
3	**44**/-	**51**/- ,,
4	**58**/**9**	**68**/- ,,
5	**70**/-	**80**/- ,,
6	**84**/-	**93**/**3** ,,
Upwards at per Line	**13**/**6**	**14**/**9** ,,

LONG DISTANCE TABLE PHONE.



No. 5378. With "Hunningscone Deckert" Hand combination Induction Call, Magneto Generator, Call Bell, Lightning Arrester, Automatic Switch Cradle, Flexible Cord and Wall Rosette. **120**/- each.

LIGHTNING CONDUCTORS.

SOLID COPPER FLAT STRIP CONDUCTOR

No. 5382.

In Lengths, including Holdfasts and Straight Terminal Point **No. 5387**, complete ready for fixing.

Sizes .. $\frac{3}{4}\times\frac{1}{8}$, $\frac{7}{8}\times\frac{1}{8}$, $1\times\frac{1}{8}$, $1\frac{1}{8}\times\frac{1}{8}$, $1\frac{1}{4}\times\frac{1}{8}$, $1\frac{1}{2}\times\frac{1}{8}$ in.

COPPER WIRE ROPE CONDUCTOR.

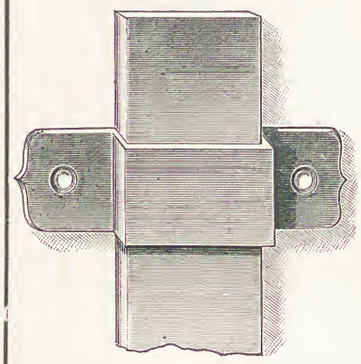
No. 5383.

In Lengths, Including Copper Holdfasts and Straight Terminal Point **No. 5387**, complete ready for fixing.

Sizes .. $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ in. Diameter.

Estimate on receipt of Length, &c., for Conductors, complete with either Tape or Rope, Terminals and Clips and Nails.

BEST SOLID COPPER TAPE.



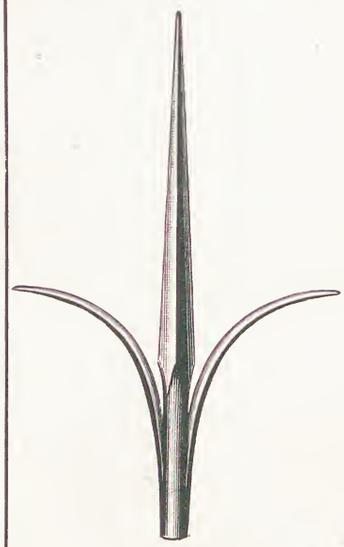
No. 5384.

In Continuous Lengths.

Sizes.

$\frac{3}{4}\times\frac{1}{8}$ / $1\frac{1}{2}\times\frac{1}{16}$	..	**10½**d. per foot.
$\frac{7}{8}\times\frac{1}{8}$	..	**1/0½** ,,
$1\times\frac{1}{8}$ / $2\times\frac{1}{16}$	..	**1/3** ,,
$1\frac{1}{8}\times\frac{1}{8}$	..	**1/4½** ,,
$1\frac{1}{4}\times\frac{1}{8}$ / $2\frac{1}{2}\times\frac{1}{16}$	..	**1/6½** ,,
$1\frac{1}{2}\times\frac{1}{8}$	..	**1/8½** ,,

HIGH-CONDUCTIVITY SOLID COPPER TERMINALS.



No. 5386.

Solid Copper Crow's Foot Point 4 ft. 6 ins. long $\times\frac{1}{2}$ in. Diameter, with Copper Coupling, for either Rope or Tape, and Two Strong Galvanized Supports.

30/6 each.

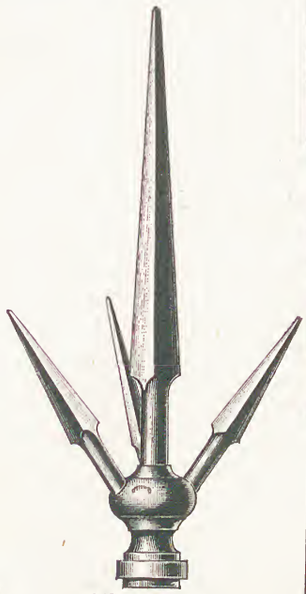


No. 5387.

Solid Copper Plain Spear Point with Fittings as No. 5386.

Sizes.

3 ft. 6 in. $\times\frac{3}{8}$ in. **17/3** ea.
4 ,, 0 ,, $\times\frac{1}{2}$,, **22/9** ,,
4 ,, 6 ,, $\times\frac{5}{8}$,, **30/9** ,,
4 ,, 6 ,, $\times\frac{3}{4}$,, **40/-** ,,

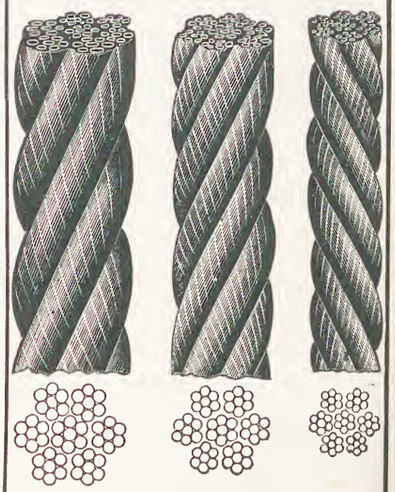


No. 5388.

Solid Copper Point and Three Attractors, with $\frac{5}{8}$ diameter Strong Seamless Copper Elevating Tube, 5 ft. long, Copper Coupling and Galvanized Supports.

37/6 each.

BEST SOLID COPPER ROPE OF 49 WIRES.



No. 5385.

$\frac{5}{8}$ in. Diameter	..	**1/9**
$\frac{1}{2}$,, ,,	..	**1/4**
$\frac{3}{8}$,, ,,	..	**1/-**

Per ft.

Guaranteed Conductivity 98%

COPPER CLIP FOR TAPE.

No. 5389.

$\frac{3}{4}$	$\frac{7}{8}$	1 in.
4/-	**4/3**	**4/9** per dozen.

Including G. M. Nails.

IMPROVED COPPER GRID EARTH PLATES.

No. 5390.

Size	..	$36\times36\times\frac{1}{8}$ in. **33/3** each.
,,	..	$30\times30\times\frac{1}{8}$,, **26/9** ,,
,,	..	$24\times24\times\frac{1}{8}$,, **20/-** ,,



No. 5391.

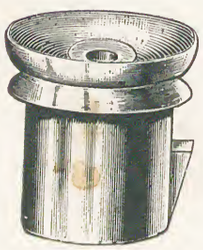


No. 5393.



No. 5394.

			$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	
No. 5391.	Copper Holdfasts for Copper Rope	..	**3/3**	**4/-**	**4/9**	per dozen.
,, **5392.**	Best Annealed Glass Insulators with Lock Nibs	..	..	..	**10/9**	,,
,, **5393.**	Holdfasts for Insulators (to Drive), Galvanized **9/3**, Gun-metal **16/-**					,,
,, **5394.**	,, ,, (to Build in) ,, **18/-** ,, **24/9**					,,
,, **5395.**	Gun-metal Straining Bolts, complete with Strong Galvanized Holdfasts	..	..	..	..	**11/3** each.



No. 5392.



No. 5395.

GLUES, GLASS AND EMERY PAPER AND CLOTH.

GLUE.

Selected Glues specially adapted for Joiners' and Builders' purposes. The following Glues can be strongly recommended, and will be found very satisfactory.

		Per cwt.	Per ½ cwt.
No. 5396.	"B W" Small Cake	**48/9**	**25/-**
,, **5397.**	"A D" French Medal	**56/-**	**29/-**
,, **5398.**	"A I" Joiners'	**64/-**	**33/-**
,, **5399.**	"Scotch"	**80/-**	**42/-**

BEST FLEXIBLE "ATLAS" GLASS PAPER.

No. 5400.

14/6 per ream.

OAKEYS' FLEXIBLE "CABINET" GLASS PAPER.

No. 5401.

18/6 per ream.

Small quantities **1/-** per quire.

OAKEY'S GLASS CLOTH.

Best Stamped "Oakey" 0 to 3. Size 11½×8½ ins.

No. 5402.

30/- per ream.

No. 5403.

Unstamped (without name.)

26/9 per ream.

No. 5404.

Improved Glass Cloth (not Oakey's.)

23/3 per ream.

OAKEY'S FLINT SAND PAPER.

No. 5405.

18/6 per ream.

No. 5406.

Best Flexible Flint Paper (not Oakey's.)

14/6 per ream.

OAKEY'S EMERY CLOTH.

Size 11½×8½ ins.

		Per ream.
No. 5407.	Improved, without name	**30/-**
,, **5408.**	"Nelson" First Quality, Stamped with Name	**32/6**
,, **5409.**	Oakey's Genuine Best Quality, for Engineers, Stamped Name and Trade Mark in Black ink ..	**34/6**
,, **5410.**	Oakey's Genuine, Extra Quality, for Engineers, Stamped Name & Trade Mark in Blue ink	**40/-**
,, **5411.**	Oakey's "Tearable" Genuine, Strong White Twilled Cloth, for using in strips, stamped Name and Trade Mark in Red ink	**45/-**
,, **5412.**	Do., do. In Sheets double size, 11½×17 ins.	**90/-**
,, **5413.**	Best Genuine Emery Cloth (not Oakey's) ..	**27/6**

OAKEY'S EMERY.

Packed in 7 lb. bags, and in casks of 2 to 6 cwts.

No. 5414. Genuine Corn Emery .. .. .. **35/-** per cwt.

Sizes—140, 120, 110, 100, 90, 80, 70, 60, 54, 46, 40.
36, 30, 24, 20, 18, 16, 14, 12, 10, 9, 8.—hole.

No. 5415. Genuine Flour Emery .. .. .. **20/-** per cwt.



"ATLAS" EMERY WHEELS.

No. 5416. Best Quality, true and ready for use.

Diameter ×	¼	5/16	⅜	½	⅝	¾	1	1¼	1½	1¾	2 in. thick.
6 ins.	**1/7**	**1/8**	**1/10**	**2/-**	**2/9**	**3/6**	**4/-**	**5/-**	**5/9**	**6/9**	**7/9** each.
9 ins.	**2/6**	**3/-**	**3/9**	**4/9**	**5/9**	**6/9**	**9/-**	**11/6**	**13/-**	**15/6**	**17/9** ,,
12 ins.	**4/-**	**5/-**	**6/-**	**8/-**	**10/-**	**12/-**	**16/-**	**20/-**	**24/-**	**28/-**	**32/-** ,,
18 ins.	—	—	—	**18/9**	**23/-**	**27/6**	**36/-**	**44/9**	**53/9**	**63/-**	**72/9** ,,
24 ins.	—	—	—	**32/-**	**40/-**	**48/-**	**64/-**	**80/-**	**96/-**	**112/-**	**128/-** ,,

Other sizes can be supplied from 1 to 40 ins. diameter × 1/16 in. to 6 ins. thick.

In ordering it is of the utmost importance to state the purpose for which the wheels are required, also the diameter, width, and size of hole, and if to work dry or wet.

RE-PLATING AND BRONZING.

RE-LACQUERING.—We undertake the Re-lacquering of every description of Brass Goods.

NICKEL-PLATING.—Articles, old or soiled, can be Re-plated at short notice.

BRONZING.—In Antique, Steel, Florentine, and other colours for Statuettes, &c.

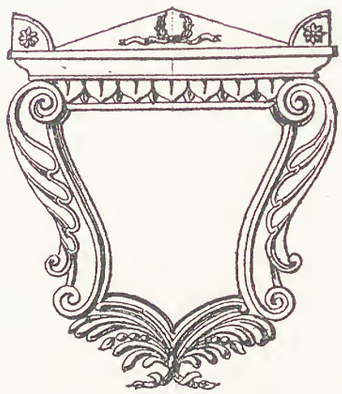
COFFIN FURNITURE

WHITE, BLACK, OR WHITE AND BLACK.



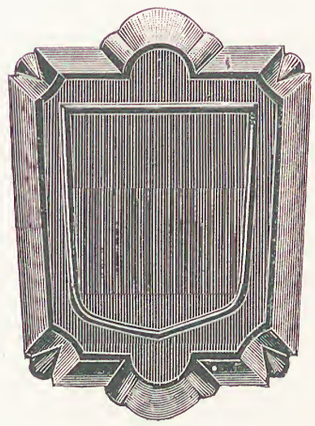
No. 5417.—PLATE.

Men's.	Youths'.	Boys'.	Children's.	Infants'.
19 × 12½	14 × 10¼	10½ × 7¼	9½ × 6	7½ × 5¼ ins.



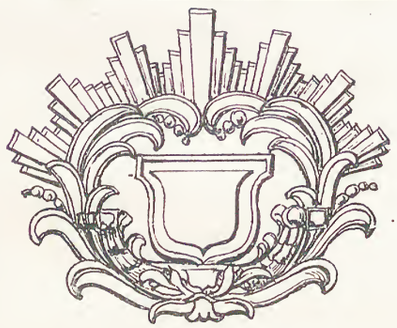
No. 5418.—PLATE.

Adults'.	Boys'.	Children's.	Infants'.
14 × 9¾	9¾ × 7½	7 × 5¼	5¾ × 4½ ins.



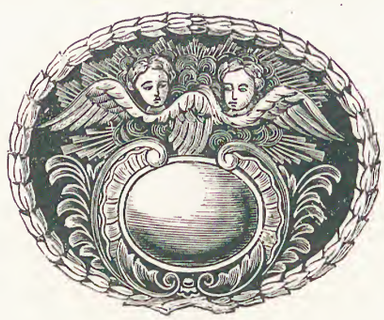
No 5419.—PLATE.

Men's.	Women's.	Boys'.	Children's.	Infants'.
17½×12¾	15 × 11	13 × 9¼	9¾ × 7	7 × 5 ins.



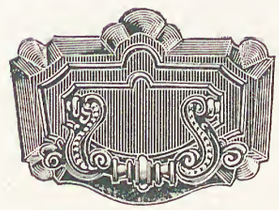
No. 5417.—HANDLES.

Men's.	Youths'.	Boys'.	Children's.	Infants'.
8½ × 6	6½	6	5	4 ins.



No. 5418.—HANDLES.

Adults'.	Boys'.	Children's.	Infants'.
8¼ × 5	6	5	4 ins.



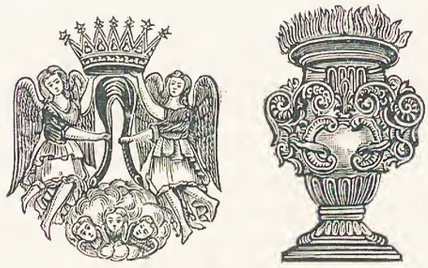
No. 5419.—HANDLES.

Men's.	Women's.	Youths'.	Boys'.	Children's.	Infants'.
9¾×6¾	8¼ × 5½	7 × 5	6 × 4½	5¼ × 3½	4 × 3 ins.



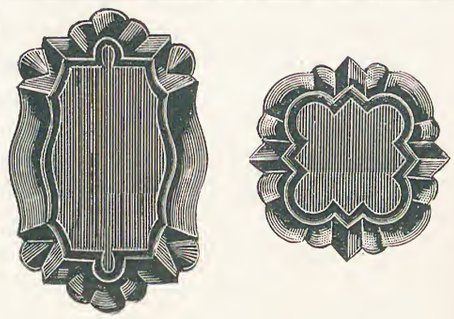
No. 5417.—ORNAMENTS.

Men's.	Youths'.	Children's.	Infants'.
10	7½	6½	5 ins.



No. 5418.—ORNAMENTS.

Adults'.	Boys'.	Children's.	Infants'.
10	7½	6½	5 ins.



No. 5419.—ORNAMENTS.

Men's.	Youths'.	Children's.	Infants'.
9¼ × 6½	7¾ × 5½	6¾ × 4¾	5 × 3½ ins
7½ × 7½	6 × 6	5 × 5	4 × 4 ,,

SET **No. 5417.**

Consisting of Breast Plate, Pair of Lid Ornaments, and Three or Four Pairs of Handles.

	White.		Improved Black or White & Black.	
Handles,	3 pairs.	4 pairs.	3 pairs.	4 pairs.
Men's ..	2/3	2/9	2/9	3/3
Women's ..	2/-	2/6	2/6	3/-
Youths' ..	1/9	2/-	2/-	2/6
Boys' ..	1/3	1/6	1/6	1/8
Children's ..	1/-	1/3	1/3	1/6
Infants' ..	9d.	1/-	1/-	1/3

Per set.

SET **No. 5418.**

Consisting of Breast Plate, Pair of Lid Ornaments, and Three or Four Pairs of Handles, without Gripes.

	White.		Improved Black, or White & Black.	
Handles,	3 pairs.	4 pairs.	3 pairs.	4 pairs.
Adults', with Bows..	1/6	1/10	1/11	2/3
Boys', without Bows	7d.	8d.	1/-	1/2
Children's, without Bows	5d.	6d.	9d.	10d.
Infants', without Bows	4d.	5d.	7d.	8d.

Per set.

SET **No. 5419.**

Consisting of Breast Plate, Pair of Lid Ornaments, and Three or Four Pairs of Handles.

	White.		Improved Black or White & Black.	
Handles,	3 pairs.	4 pairs.	3 pairs	4 pairs.
Men's ..	3/-	3/6	3/3	3/10
Women's ..	2/9	3/3	3/-	3/6
Youths' ..	2/3	2/9	2/6	3/-
Boys' ..	1/9	2/3	2/2	2/6
Children's ..	1/4	1/8	1/6	1/10
Infants' ..	1/-	1/4	1/3	1/6

Per set.

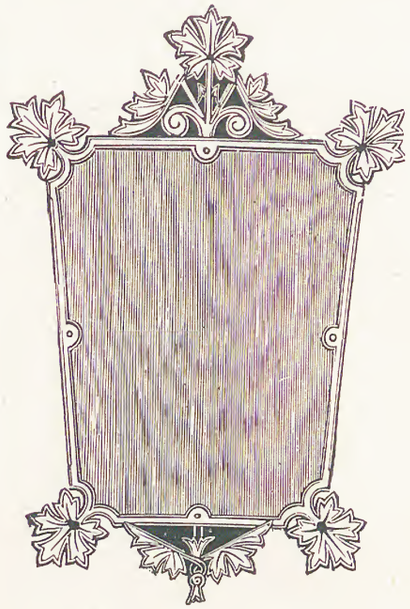
REGISTERED COFFIN FURNITURE.

WHITE, BLACK, OR WHITE AND BLACK.



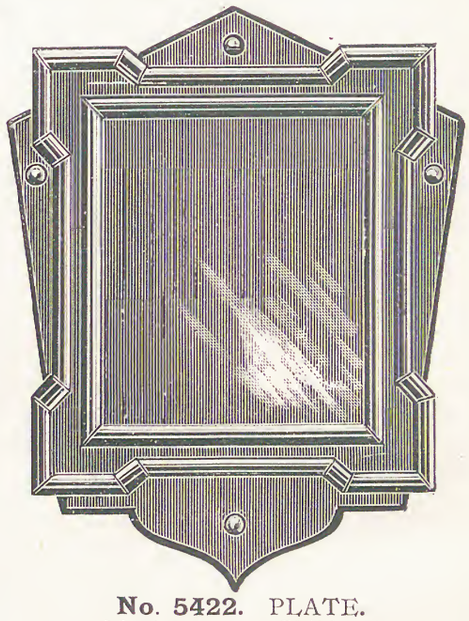
No. 5420. PLATE.

Men's.	Women's.	Youths'.	Children's.	Infants.
19¾×13¾	16¾×12¼	14×10	10×7	7×5 ins.



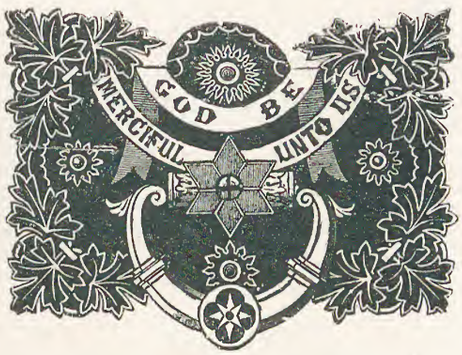
No. 5421. PLATE.

Men's only.
19½ × 13½ ins.



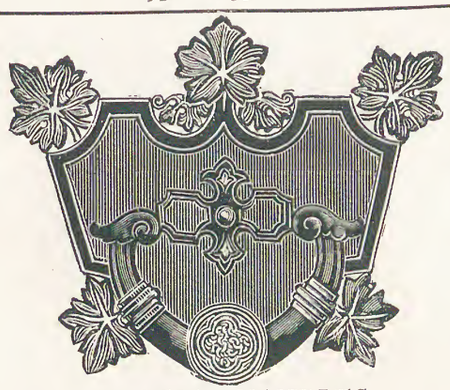
No. 5422. PLATE.

Men's.	Children's.
17½×13½	9¾×7 ins.



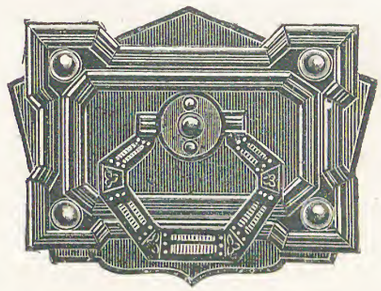
No. 5420. HANDLES.

Men's.	Women's.	Children's.	Infants'.
9¾×7	8¼×6¼	4¾×4	4×3¼ ins.



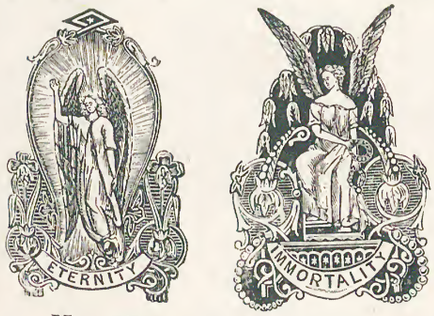
No. 5421. HANDLES.

Men's.	Women's.
9×7¼	8×6½ ins.



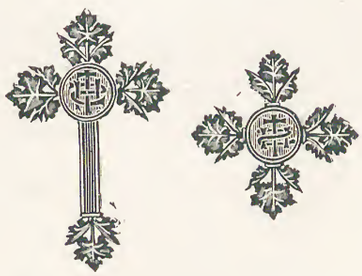
No. 5422. HANDLES.

Men's.	Children's.
9½×6¼	4¾×3¾ ins.



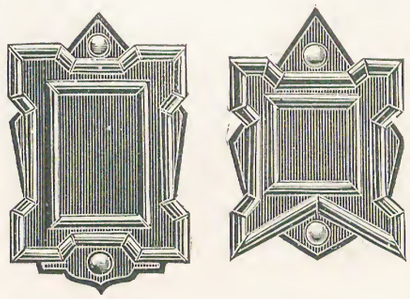
No. 5420. ORNAMENTS.

Men's.	Children's.	Infants'.
9½×7	6½×4½	5×3½ ins.



No. 5421. ORNAMENTS.

Men's.	Men's.
11×7	7×7 ins.



No. 5422. ORNAMENTS.

Men's.	Children's.	Men's.	Children's.
9½×7½	6½×4½	9¾×6½	6½×4½ ins.

SET **No. 5420.**

Consisting of one Breast Plate, one pair of Ornaments, and three or four pairs Handles

	White. 3 pairs.	White. 4 pairs.	Improved Black, or White and Black. 3 pairs.	Improved Black, or White and Black. 4 pairs.
Men's	3/3	4/3	3/9	4/6
Women's	3/1	4/-	3/6	4/3
Youths'	2/6	3/3	2/9	3/6
Boys'	2/-	2/6	2/3	2/9
Children's	1/9	2/-	1/9	2/3
Infants'	1/3	1/6	1/4	1/8

Per set.

SET **No. 5421.**

Consisting of one Breast Plate, one pair Lid Ornaments, and three or four pairs Handles.

	White. 3 pairs.	White. 4 pairs.	Improved Black, or White and Black. 3 pairs.	Improved Black, or White and Black. 4 pairs.
Men's	3/3	4/3	3/9	4/6
Women's	3/2	4/-	3/6	4/3

Per set.

SET **No 5422.**

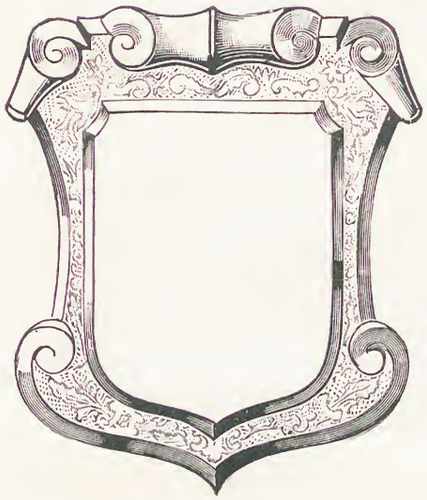
Consisting of one Breast Plate, one pair Lid Ornaments, and three or four pairs Handles.

	White. 3 pairs.	White. 4 pairs.	Improved Black, or White and Black. 3 pairs.	Improved Black, or White and Black. 4 pairs.
Men's	4/3	5 -	4/6	5/3
Children's	2/6	3/-	2/9	3/3

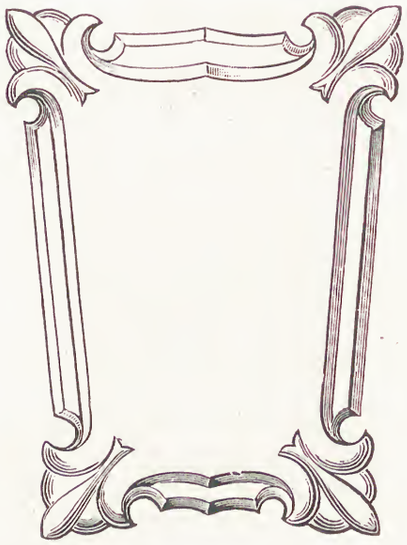
Per set.

COFFIN FURNITURE. (Plates engraved and despatched in two hours.)

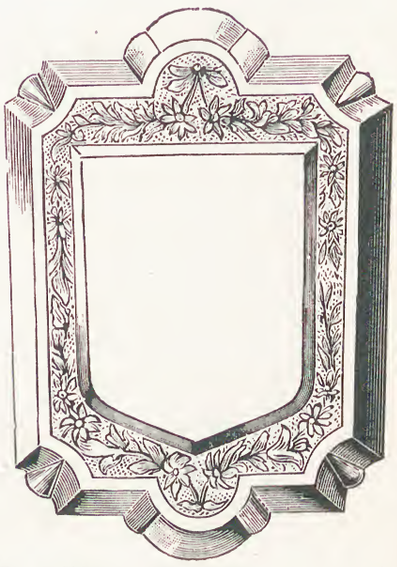
INSCRIPTIONS CHARGED EXTRA.



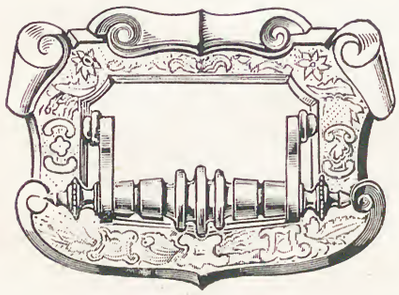
No. 5423. Plate. Size 16×13 ins



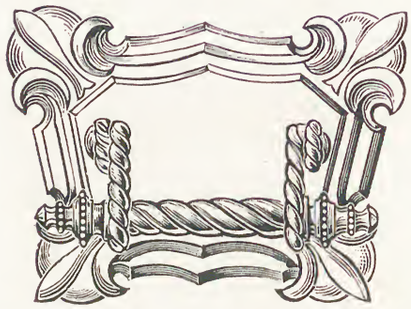
No. 5424. Plate. Size 16×12½ ins.



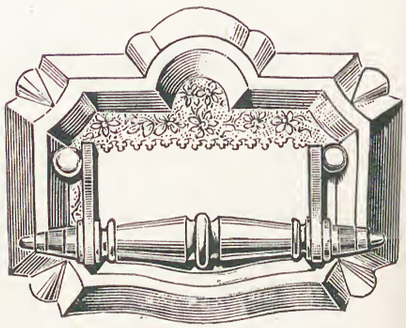
No. 5425. Plate. Size 17×12¾ ins.



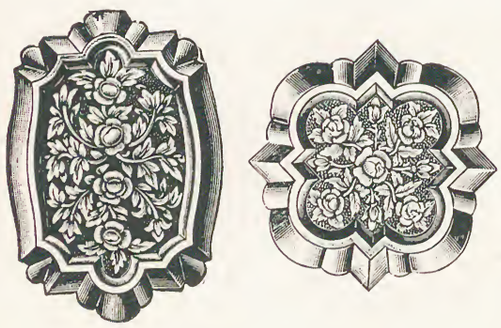
No. 5423. Handles. Size 8½×6 ins.



No. 5424. Handles. Size 9½×6 ins.

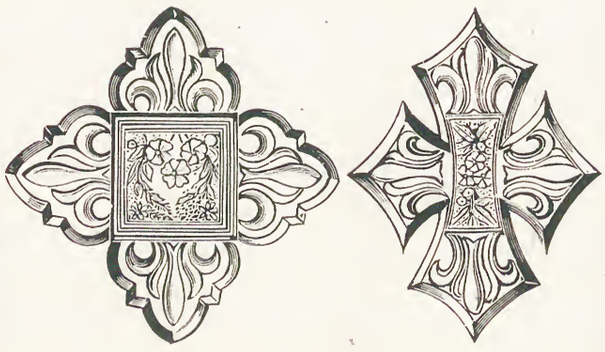


No. 5425. Handles. Size 9½×6½ ins.



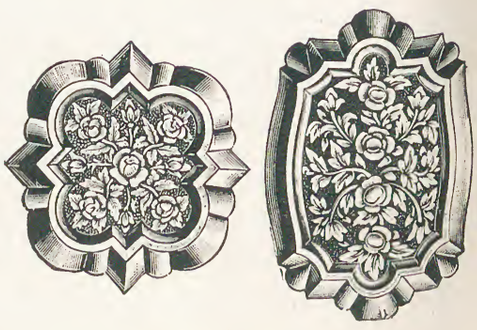
No. 5423. Ornaments.

Sizes 7¾×5½ ins. 6×6 ins.



No. 5424. Ornaments.

9×9 ins. 8½×6 ins.



No. 5425. Ornaments.

6×6 ins. 7¾×5½ ins.

SET **No. 5423.**

Brass .. .. **17/9** per set.

SET **No. 5423a.**

Brassed .. .. **5**/- per set.

SET **No. 5424.**

Brass .. .. **18/9** per set.

SET **No. 5424a.**

Brassed .. .. **7/3** per set.

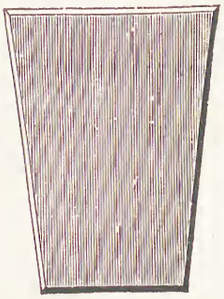
SET **No. 5425.**

Brass .. .. **20/6** per set.

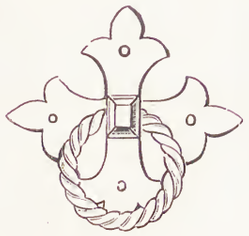
SET **No. 5425a.**

Brassed .. .. **7/6** per set.

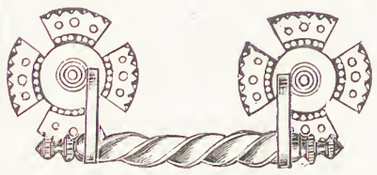
COFFIN FURNITURE. (Plates engraved and despatched in two hours.)



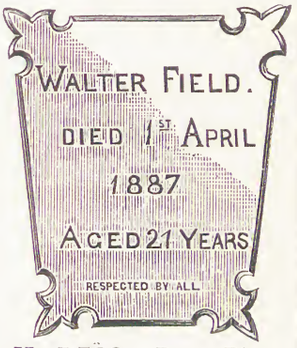
No. 5426. Brass Plate, **Engraved.**
Sizes 16×12 15×11 14×10 ins.
Prices 15/- 14/3 13/3 each.
Letters waxed in Black.



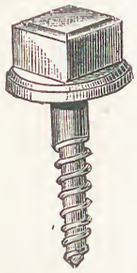
No. 5427. Brass Handle.
6×6 ins.
8/6 per pair.



No. 5428. Brass Handle.
10×4 ins.
7/6 per pair.



No 5429. Brass Plate, **Engraved.** Size 17×13¾ ins.
9/9 each.
Bright Engraving.



No. 5430. Coffin Screw.
2½ ins. Square Head.
Iron. Brass Heads.
1/3 **3/-** per doz.



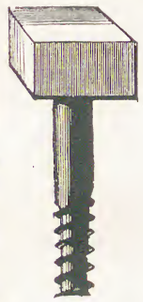
No. 5431. Washers.
Size 1×¼ in. hole.
Iron. Brass.
2/- **18/6** per gross.



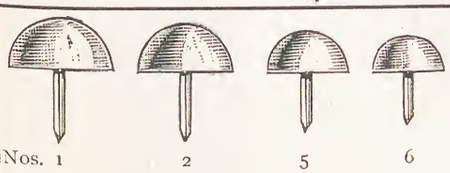
No. 5432.
Screw.
2 in.
Iron .. **7**d. doz.
Brass, **1/3** ,,



No 5433.
Brass Washers.
19/6 per gross.



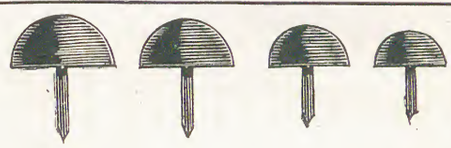
No. 5434.
Screw. 2½ ins.
Square Head.
Iron .. **1/-**
Brass Head **3/-**
per dozen.



Nos. 1 2 5 6
White Coffin Nails.
5/- **4/6** **3/-** **2/9**
per 1,000.



4d. 3d.
Bullen's.
4d. Black .. .. **2/4** per 1,000.
4d. White .. .. **3/6** ,,
3d. White .. .. **2/9** ,,
3d. Black .. .. **2/-** ,,



Nos. 1 2 5 6
Black Coffin Nails.
3/3 **3/-** **2/-** **1/9**
per 1,000.

COFFIN TRIMMINGS.

INSIDE SETS, WITH RUFFLE, SIDE SHEETS AND PILLOW.

No. 5435. Satin throughout.
Adult's .. **53/-** set.
Smaller sizes in proportion.

No. 5436.
Flannel Trimmed Satin..
Adult's .. .. **28/6** set.
Smaller sizes in proportion.

No 5437. SWANSDOWN
Trimmed Satin. Adult's.
11/6 set.
Smaller sizes in proportion.

No. 5438. SWANSDOWN
Trimmed Sateen. Adult's.
8/- set.
Smaller sizes in proportion.

No. 5439.
BLACK CLOTH
2/6 to **8/6** per yard.

No. 5440.
BLACK BAIZE
From **£3 8 6**
per piece containing 45 yards.

No. 5441.
DOMETTS
6d. to **1/-** per yard.

No. 5442. SWANSDOWN
29 ins. wide, **7**d. and **9**d. per yard
36 ins. ,, **9**d. and **11**d. ,,

No. 5443.
HORSE VELVETS
£6 10 0 to **£12 17 6**

No. 5444. Velveteens
with Bullion Fringe and Tassels.
at **£4 10 0** per pair.

No. 5445.
PALLS
Black and White Flounced
Made in all sizes to order.
Full size **£6 10 0**
to **£25 10 0**

No. 5446
WADDING
Bleached White.
6/3 to **8/-** per dozen yards.

No. 5447.
CALICO
36 ins. wide.
4/- to **5/6** per dozen yards.

GLAZED CAMBRIC RUFFLES
In 4½ yard length.
Widths 2 2½ 3 4 ins.
Qualities—
Nos. 5448. 5/- 7/- 8/6 10/6
5449. 5/3 8/- 9/9 12/6
5450. 5/9 8/9 10,6 14/3
5451. 6/9 9/9 12/6 16/9
per dozen.

GLAZED CAMBRIC SIDE SHEETS
Adult's.
Nos 5452. 5453. 5454. 5455.
11/6 **16/-** **26/6** **58/6**
per dozen pairs.

CAMBRIC PILLOWS

	Child's.	Adult's.
Nos. 5456.	**3/6**	**7/-**
5457.	**5/-**	**9/9**
5458.	**6/9**	**13/3**
5459.	**8/9**	**17/9**

per dozen.

FACE CLOTHS
Medium Quality Cambric.
No 5460. Child's, **1/9** per doz
,, **5461.** Adult's, **3/6** ,, ,,

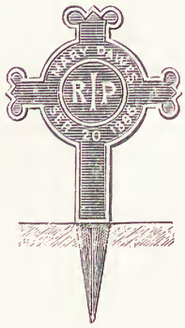
IRON GRAVE CROSSES AND TOMB TABLETS. (Unpainted.)

WITH ANY INSCRIPTION CAST ON IN RAISED LETTERS.



No. 5462.

13 ins. wide × 19 ins. high above ground } **12/6** ea.



No. 5463.

14 ins wide × 18 ins. high above ground } each. **11/-**

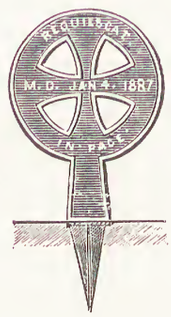
14 ins. wide × 24 ins. high above ground } **13/6**

19½ ins. wide × 37 ins. high above ground } **22/6**



No. 5464.

11 ins. wide × 14 ins high above ground } **8/-** ea.



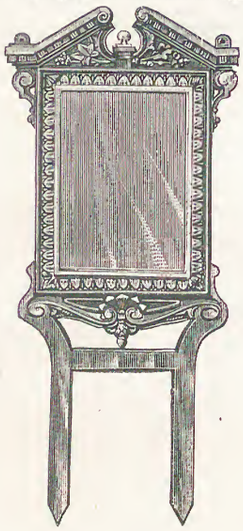
No. 5465.

10 ins. wide × 14 ins. high above ground } **11/-** ea.



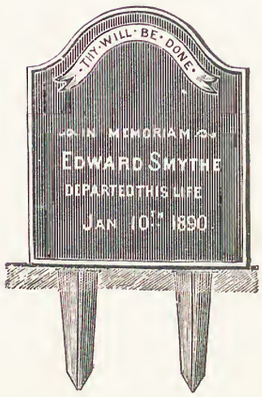
No. 5466.

13½ ins. wide × 18 ins. high above ground } **13/6** ea.



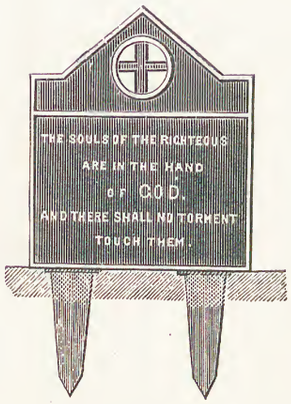
No. 5467.

16 ins. wide × 25 ins. high above ground **26/-** each.



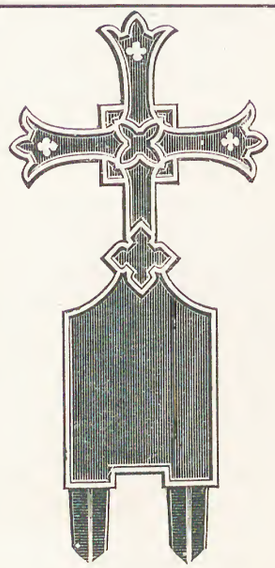
No. 5468.

16 ins. wide × 18 ins. high above ground **18/6** each.



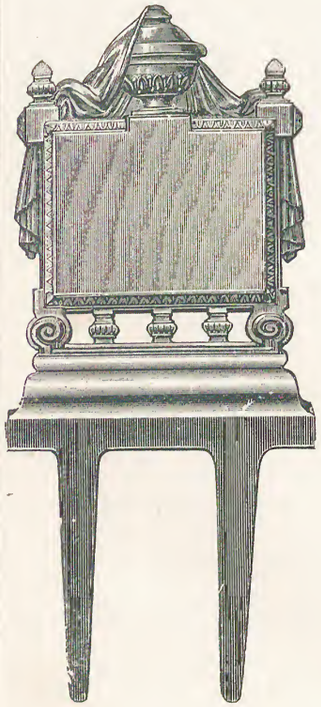
No. 5469.

15 ins. wide × 17 ins. high above ground **18/6** each.



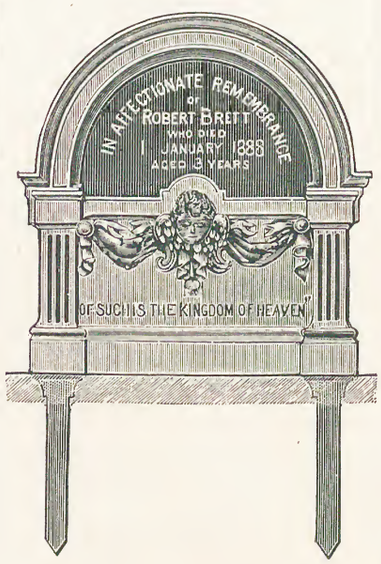
No 5470.

17 ins wide × 31 ins. high above ground **29/6** each.



No. 5471.

20 ins. wide × 29 ins. high above ground Total height 43 ins. **37/6** each.

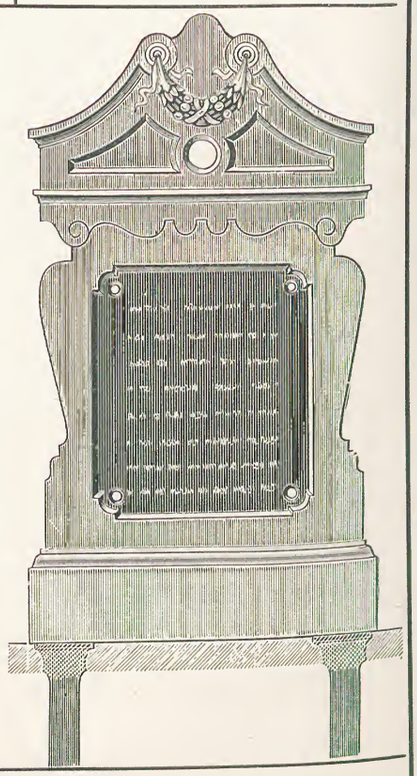


No. 5472.

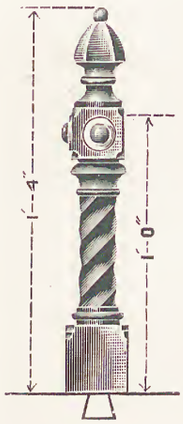
22 ins. wide × 24 ins. high above ground } **37/6** each.

No. 5473.

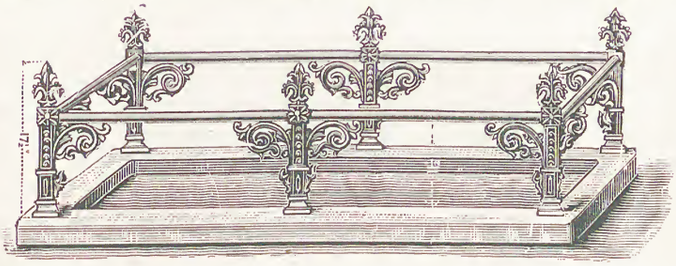
23 ins. wide × 41 ins. high above ground **72/6** each.



TOMB RAILINGS, STANDARDS, RAILS AND CHAIN.

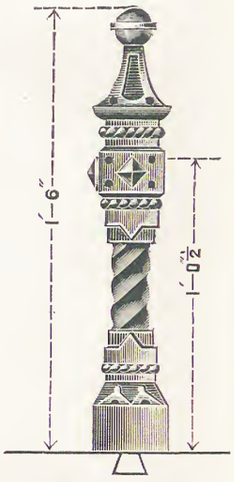


No. 5474.
Cast Iron.
6/- each.

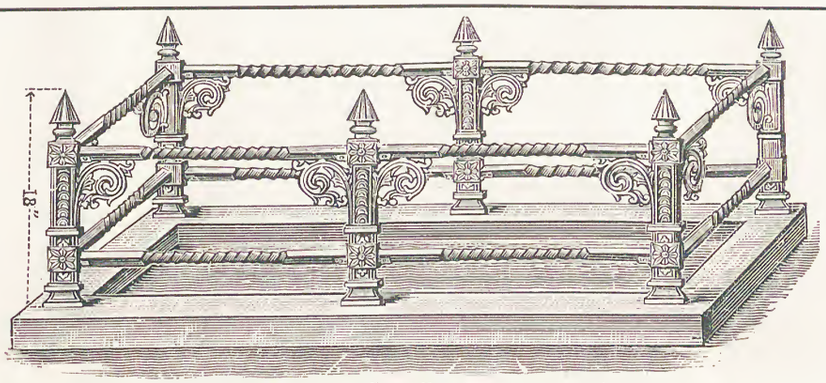


No. 5478. Cast Iron.

Centre Standards	.. .. ..	**2/9** each
Corner ,,	.. .. ..	**3/9** ,,
1⅛ in. Cast Iron Rod	.. ..	**8½**d. per foot.
If Standards with Prongs	.. ..	**3/6** each extra.

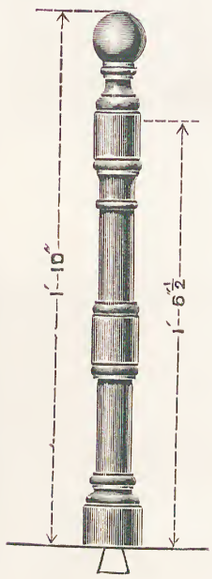


No. 5476.
Cast Iron.
13/- each.

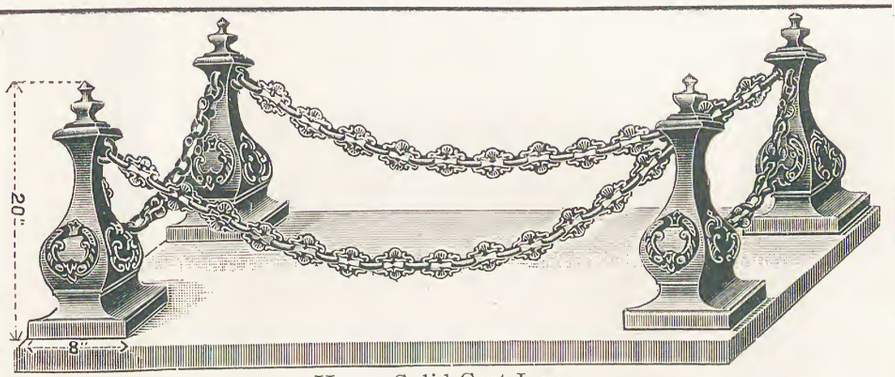


No. 5479. Cast Iron.

Centre Standards	.. .. ..	**3/3** each.
Corner ,,	.. .. ..	**4/6** ,,
1⅛ in. Cast-iron Rod	.. ..	**10**d. per foot.
If Standards with Prongs	.. ..	**3/6** each extra.

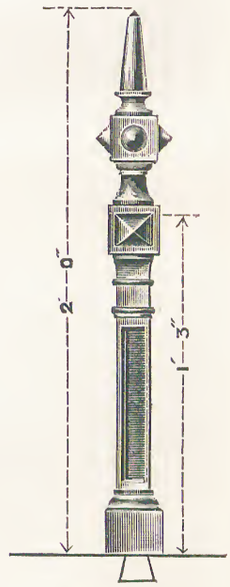


No. 5475.
Cast Iron.
6/- each.



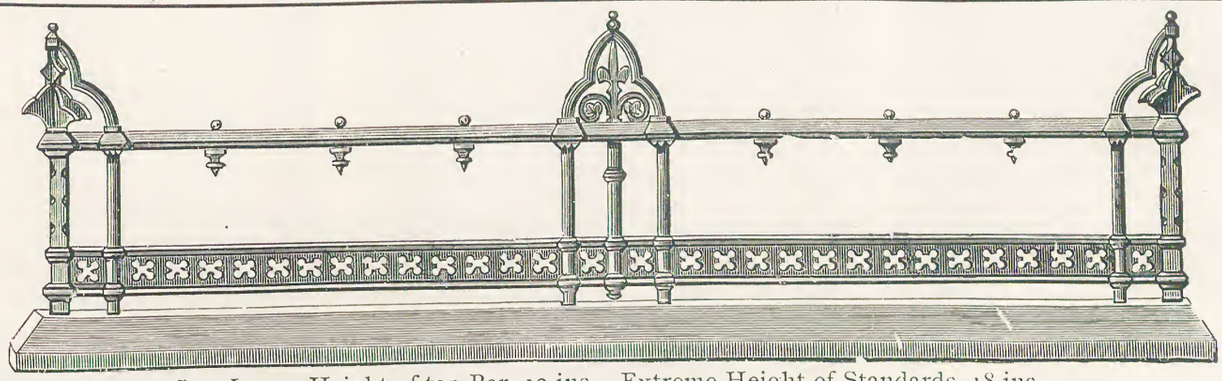
Heavy Solid Cast Iron.

No. 5480.	Standards	.. .. ..	**6/6** each.
No. 5481.	Chain	.. ..	**5/6** per yard



No. 5477.
Cast Iron.
6/- each.

LATEST

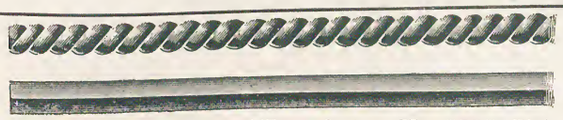


DESIGN.

No 5482. Cast Iron. Height of top Bar, 12 ins. Extreme Height of Standards, 18 ins. Railing, **4**/- per foot, Complete.

No. 5483.

No. 5485.



No. 5487.



No. 5483. Twisted Rail, 1 in. Cast Iron, **1/4** per foot.
No. 5484. ditto Wrought ,, **3/3** ,,
No. 5485. Plain Rail, 1 in., Cast Iron, **1/4** per foot.
No. 5486. ditto Wrought ,, **2**/- ,,
No. 5487. ⅛ in. Wrought Chain with Cast Iron Ornaments. **3/3** per foot.

SICILIAN MARBLE MEMORIAL HEADSTONES.

IMPERISHABLE LEAD LETTERS, 6/9 PER DOZEN EXTRA.



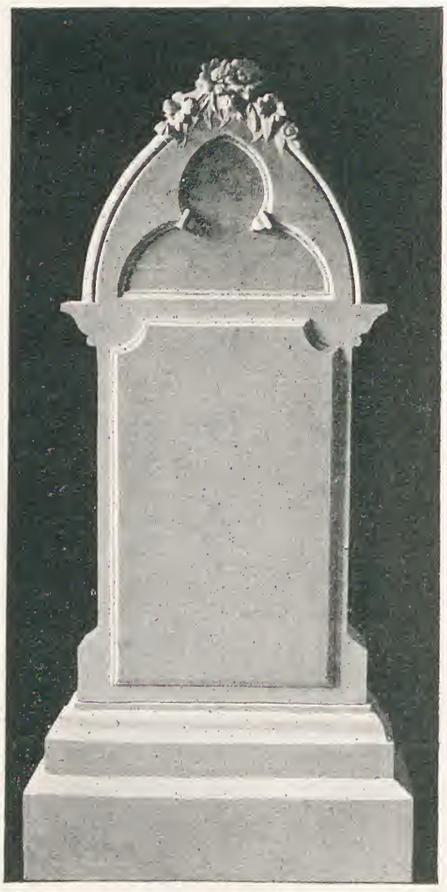
No. 5488.
6 ft. × 2 ft. 6 ins. × 3 ins.
£7 0 0 each.
One foot under ground.



No. 5489.
6 ft. × 2 ft. 6 ins. × 3 ins.
£8 0 0 each.
One foot under ground.



No. 5490.
6 ft. × 2 ft. 6 ins. × 3 ins.
£9 0 0 each.
One foot under ground.



No. 5491.
5 ft. 6 ins. × 2 ft. 8 ins.
Headstone, 5 ins. thick.
£15 0 0 each.

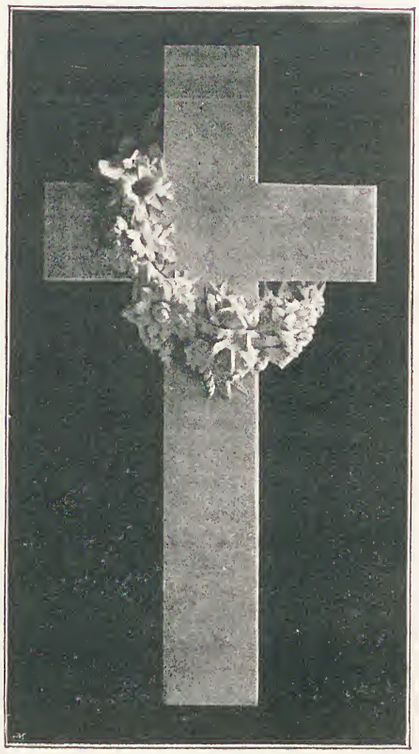


No. 5492.
6 ft. × 2 ft. 6 ins. × 3 ins.
£9 0 0 each.
One foot under ground.

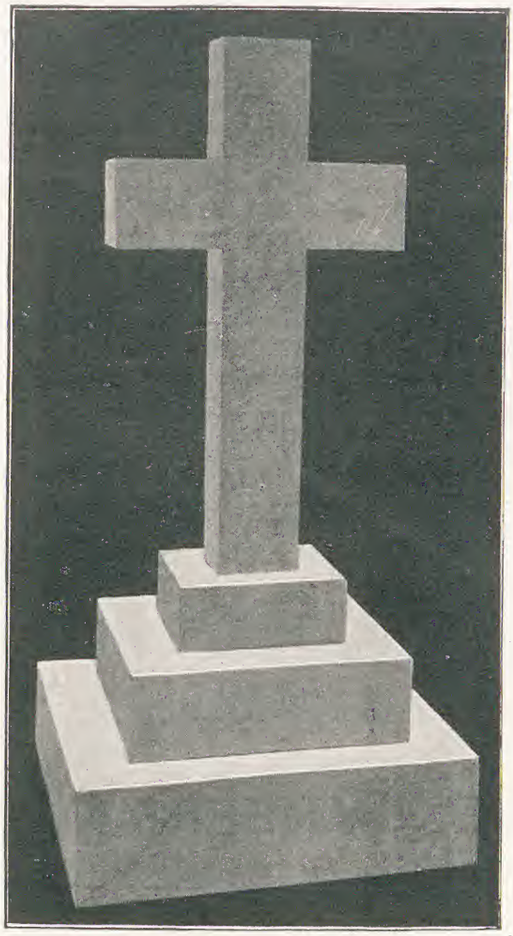


No. 5493.
6 ft. × 2 ft. 8 ins. × 5 ins.
£20 0 0 each.
One foot under ground.

SICILIAN MARBLE MEMORIAL CROSSES, &c.



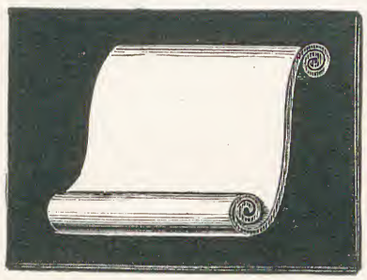
No. 5494.—3 ft. 6 ins.
£9 0 0 each.



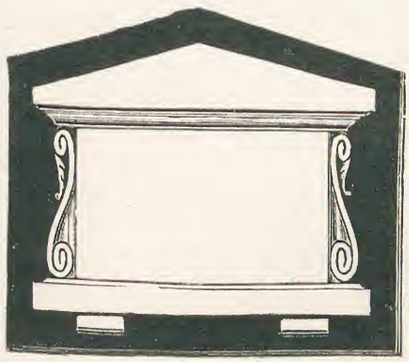
No. 5495.
5 ft. × 2 ft. 4 ins. × 2 ft. 2 ins.
£11 0 0 each.



No. 5496.—3 ft. 6 ins.
£18 0 0 each.



No. 5497.—TABLET.
Prices and Drawings submitted on application, giving sizes, &c.



No. 5498.—TABLET.
Prices and Drawings submitted on application, giving sizes, &c.



No. 5499.
5 ft. 8 ins. × 2 ft. 6 ins. × 2 ft. 6 ins.
£25 0 0 each.



No. 5500.



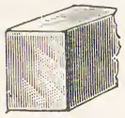
No. 5501.



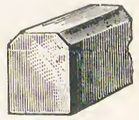
No. 5502.

MARBLE POSTS.

Sizes –	Nos. 5500.	5501.	5502.
6 ins. × 6 ins. × 12 ins. high	15/-	17/-	17/- each.
6 ins. × 6 ins. × 18 ins. ,,	18/-	20/-	20/- ,,



No. 5503.



No. 5504.



No. 5505.



No. 5506.

MARBLE CURBINGS.

Sizes—	6 ins. × 4 ins.	8 ins. × 4 ins.
No 5503 ..	6/6	7/6 per foot run.
,, 5504 ..	6/6	7/6 ,,
,, 5505 ..	7/6	9/- ,,
,, 5506 ..	8/-	9/6 ,,

IMPERISHABLE LEAD LETTERS, 6/9 PER DOZEN EXTRA.

COACHBUILDERS' IRONMONGERY.

AXLES.

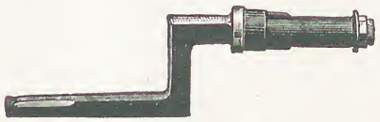
All our ARMS and AXLES are Warranted Faggotted and Guaranteed of the Best Manufacture.

No. 5508. LONG BOLT MAIL AXLE.



Sizes	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 ins.
Length of Boxes	6	6½	7	7½	8	8½	9	9½	10¼	11 ,,
No. 5507. Plain Arms ..	23/-	23/-	25/-	27/-	30/6	33/3	39/9	48/6	57/6	68/-
No. 5508. Per pair of Arms, with Solid Flaps	29/3	29/3	32/3	34/6	38/6	42/6	49/6	59/6	71/-	83/6
No. 5509. Per pair of Arms, Cranked to 6 in. deep	38/6	38/6	42/-	43/6	50/-	54/6	66/-	79/6	95/6	116/6
No. 5510. Price Per pair of Arms, with Solid Flaps, and Cranked to 6 in. deep	45/-	45/-	48/6	50 6	57/6	63/6	76/-	91/-	108/9	127/6

No 5513. COLLINGE'S AXLE.



Sizes	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 ins.
Length of Boxes	6½	7	7½	8	8½	9	9½	10	10½	11 ,,
No. 5511. Plain Arms	34/-	34/6	37/9	41/-	45/-	51/-	60/-	69/-	81/-	96/-
No 5512. Per pair of Arms, with Solid Flaps	41/-	41/-	44/6	47/6	52/6	59/6	70/-	80/9	95/-	112/-
No. 5513. Per pair of Arms, Cranked to 6 in. deep	50/-	50/-	54/6	59/6	64/6	72/-	86/6	100/-	119/-	140/-
No. 5514. Price Per pair of Arms, with Solid Flaps, and Cranked 6 in. deep	56/6	56/6	62/-	67/-	72/6	80/6	96/-	111/6	132/6	156/-

Step Fitted on End of Axle, **12/6** each.

No. 5515. CART ARMS



With Collet and Linch Pins Turned and case hardened.

Sizes	1½	1⅝	1¾	2	2⅛	2¼	2½	2¾	3 ins.
Length of Box and Collet	8⅞	9⅜	10	10⅝	—	11¾	12⅜	13	13⅝ ,,
Price per pair of Arms	14/3	16/3	18/-	23/-	26/3	29/3	37/6	45/-	55/-

No. 5516. GREASE ARMS.



With Square Screwed Nuts.

Sizes	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 ins.
Length over Box and Nut ..	6½	6¾	7⅜	8¼	8¾	9½	10	10¾	10¾	11¼ ,,
Price per pair of Arms ..	12/6	13/3	14/3	15/6	16/9	18/6	22/6	24/3	26/-	28/-

Turned and Case Hardened.

DRABBLE'S ARMS.



No. 5517, FLAT BEDS.



No. 5520. ROUND BEDS.

	Sizes	1½	1⅝	1¾	1⅞	2	2¼	2½	2¾	3 ins.
	Length of Box and Cap	10	10½	11	11½	12	12½	13½	13½	14 ,,
No. 5517.	Flat Beds, per pair of Arms ..	34/6	37/6	42/6	44/-	47/-	52/6	58/6	67/6	81/-
No. 5518.	Long Flat Beds for Shutting, per pair of Arms	37/-	41/-	45/6	49/6	52/-	58/6	66/-	76/-	94/-
No. 5519.	Scotch Edge Bed, per pair of Arms	37/-	41/-	45/6	49/6	52/-	58/6	66/-	76/	94/-
No. 5520.	Round Beds, per pair of Arms ..	37/-	41/-	45/6	50/-	54/6	62/-	73/-	85/6	108/6
	Extra for Flaps, per pair of Arms	6/9	8/9	10/-	10/9	12/6	16/3	18/9	23/-	27/6
	Extra for Shutting Up	2/6	3/-	3/3	4/3	5/-	6/9	7/6	8/9	9/3
	Extra for Screwed Ends, V Thread	2/-	2/-	2/6	2/6	2/6	3/-	3/3	3,3	4/3
	Extra for Collinge's Collars	10/6	11/9	15/-	18/6	26/9	45/-	56/-	67/-	79/-

No. 5521. Tail Pin Bolts (square nuts) for Drabble's and Cart Arms 5½ × ⅝ in. 6½ × ¾ in. 7½ × ⅞ in. 8 × 1 in. **6**d. per lb.

COACHBUILDERS' IRONMONGERY.

BEST BLACK CART OR VAN SPRINGS.

Warranted.



No. 5522. Cart.



No. 5523. Van.

Sizes	2½	2¼	2	1¾	1½	1¼ ins. wide.
Price per cwt. and upwards,	**33**/-	**33**/-	**34**/-	**37**/-	**42**/-	**45**/-
Price per lb. under 1 cwt. ..	**3¾**d.	**3¾**d.	**4¼**d.	**4¼**d.	**5**d.	**5½**d

Extra short and Light Springs not charged by weight.

Bright Springs **10**/- per cwt. extra.

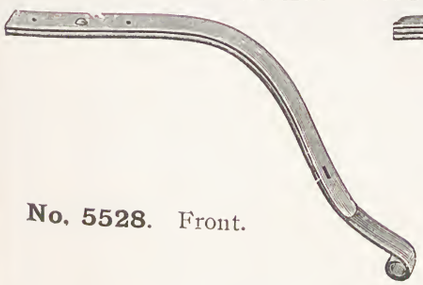
TRUCK SPRINGS AND SCROLLS, COMPLETE.



No. 5526.

1½ in. wide ×2 Plates up to 38 ins. long, with set Scrolls, complete, **13**/- per set.
1½ ,, ×3 ,, ,, ,, ,, ,, **14/3** ,,
1½ ,, ×4 ,, ,, ,, ,, ,, **16/9** ,,

MILK TRUCK SPRINGS.



No. 5528. Front.



No. 5529. Hind.

1½ in. wide, 2 and 3 Plates, **12/6** per set of four.
1½ ,, 2 and 4 ,, **13/3** ,, ,,

BEST BLACK ELLIPTIC SPRINGS.



No. 5524.

Above Three Plates.

Sizes,	2½	2¼	2	1¾	1½	1¼ ins. wide
Price,	**45**/-	**45**/-	**48/6**	**52**/-	**56**/-	**58/6**

Per cwt.

Price, **5½**d. **5½**d. **5½**d. **6**d. **6¼**d. **6¾**d.
Under 1 cwt. lots, per lb.

No. 5525. If Bright, **11/6** per cwt. extra.

No. 5527.

Black Elliptics, any length.

1½×2 Plate .. .. **20**/- per pair.
1½×3 ,, ... **23/6** ,,
1¾×2 ,, ... **21**/- ,,
1¾×3 ,, ... **24/9** ,,

If with Bolt Holes a small extra charge will be made.
Extra for Open Heads, I.R Eyes and Gun-metal Tubes, **2/0**- per set of 4 Springs.

COSTER BARROW SPRINGS.



No. 5530.

2 ins. wide, 6 and 7 Plates, with Band { **37**/- per cwt. / **4¼**d. per lb.

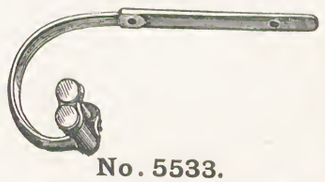
No. 5531. If flapped, **1/9** per cwt. extra.

SCROLL IRONS.

(TRUCK, GIG AND VAN.)



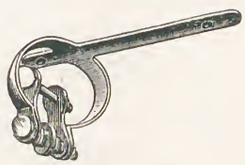
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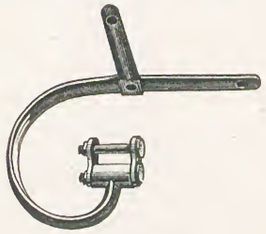
No. 5533.



No. 5538.



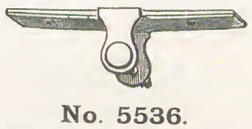
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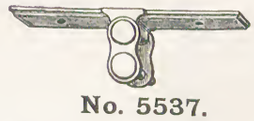
No. 5541.



No. 5540.

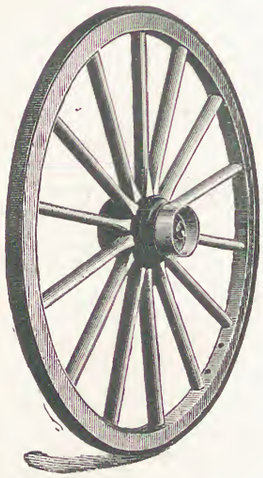


No. 5536.



No. 5537.

		1½	1¾	2	2¼	2½ ins.
Plain Truck Scrolls	Front, **No**	**5532**, 3/-	**3/9**	—	—	— per pair.
	Hind ,,	**5533**, 3/-	**3/9**	—	—	— ,,
Plain Cart and Van Scrolls ..	Front ,,	**5534**, 3/-	**3/9**	**4/3**	**5/-**	**8/-** ,,
	Hind ,,	**5535**, 3/3	**4/6**	**5/3**	**6/3**	**8/9** ,,
Check Plate or Dumb Jack ..	Front ,,	**5536**, 4/3	**5/-**	**5/9**	**7/-**	**9/3** ,,
	Hind ,,	**5537**, 4/9	**5/6**	**6/3**	**8/-**	**10/-** ,,
Globe Scrolls	Front ,,	**5538**, 4/6	**5/-**	**5/9**	**5/9**	**7/-** ,,
	Hind ,,	**5539**, 6/3	**7/6**	**8/-**	**8/3**	**10/9** ,,
Bridge Scrolls	Front ,,	**5540**, 3/9	**5/-**	**5/6**	**7/6**	**9/9** ,,
Ell Flap Scrolls	Hind ,,	**5541**, 6/3	**7/6**	**8/9**	**10/-**	**12/6** ,,



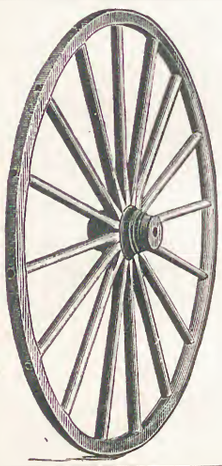
ENGLISH WHEELS.

Manufactured of Prime Selected and Seasoned Timber.

No. 5542.

PRICES PER PAIR IN THE WOOD.

Height up to		Spoke 1½ / Tyre 1¼	1⅝ / 1⅜	1¾ / 1½	1⅞ / 1⅝	2 / 1¾	2⅛ / 2	2¼ / 2	2⅜ / 2¼	2¾ / 2½	3 / 2¾	ins.
2 ft. 10 ins.	12 Spokes	51/-	52/-	58/6	63/6	65/9	75/-	81/3	86/6	96/3	113/6	per pair.
3 ,, 2 ,,	12 ,,	52/-	53/3	59/6	64/6	67/-	75/9	82/-	87/6	97/-	115/3	,,
3 ,, 6 ,,	12 ,,	53/3	53/9	60/6	65/6	67/9	76/6	83/-	88/3	98/-	116/9	,,
3 ,, 8 ,,	14 ,,	56/-	57/6	65/3	71/3	74/-	83/-	90/6	97/-	107/-	126/6	,,
4 ,, 0 ,,	14 ,,	57/6	59/3	67/-	72/6	75/3	83/9	92/6	98/9	108/9	128/-	,,
4 ,, 4 ,,	14 ,,	59/6	60/6	68/6	74/6	77/-	85/3	94/-	100/6	110/6	129/9	,,
4 ,, 8 ,,	14 ,,	—	62/3	70/3	76/3	78/6	87/-	95/6	102/-	112/-	131/6	,,
4 ,, 10 ,,	14 ,,	—	—	—	77/9	80/3	88/9	97/6	103/9	113/9	133/-	,,



WARNER WHEELS.

AMERICAN MADE.

No. 5543.

SHARP FACE SPOKES.

(IN THE WOOD.)

Size of Spoke / Size of Tyre	1¼ / 1⅛	1⅜ / 1¼	1½ / 1⅜	1⅝ / 1½	1¾ / 1½	1⅞ / 1⅝	2 / 1¾	ins.
All Heights up to 3 ft. 0 ins.	29/3	38/6	43/6	52/6	60/-	67/-	70/-	pair.
,, ,, 3 ,, 10 ,,	31/3	42/-	47/-	56/-	63/6	70/-	73/6	,,
,, ,, 4 ,, 4 ,,	33/6	45/-	49/6	57/6	66/-	74/6	77/-	,,
,, ,, 4 ,, 6 ,,	—	—	51/-	59/6	68/6	76/3	80/3	,,
,, ,, 4 ,, 8 ,,	—	—	52/6	61/-	70/-	77/9	83/6	,,
,, ,, 4 ,, 10 ,,	—	—	—	65/-	72/-	83/6	89/6	,,

TYREING WHEELS.

Tyreing Wheels, with Best Iron and Drilling Tyres only. No extra for Round Edge, Convex, or Bevel Edge Tyres.

Wheels not to exceed	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2¼	2½	2¾	3 ins. wide.
2 ft. 6 ins. ..	14/3	15/-	17/3	19/3	20/-	22/6	25/-	29/3	37/6	42/-	44/3	48/6 pair.
3 ,, 0 ,, ..	14/9	16/-	18/-	20/-	20/6	23/6	26/3	31/6	41/-	45/-	47/-	52/- ,,
3 ,, 6 ,; ..	16/-	16/9	18/9	20/6	21/-	26/9	29/3	35/-	45/-	48/6	50/-	58/- ,,
4 ,, 0 ,, ..	16/9	18/9	21/-	22/6	26/9	30/-	32/9	39/6	48/3	52/6	57/-	63/- ,,
4 ,, 6 ,, ..	20/-	22/3	24/3	24/9	29/3	32/9	37/-	43/6	51/6	58/6	64/6	70/3 ,,
4 ,, 10 ,, ..	23/-	23/6	26/-	27/3	31/-	35/6	42/-	52/-	56/-	62/-	70/3	77/9 ,,
Not to exceed in thickness ..	1/16	1/16	½	½	9/16	⅝	⅝	¾	¾	¾	¾	¾ in.

EXTRAS.

Stock Hoops ..	4/3	4/3	4/3	4/3	5/6	5/6	6/3	7/6	8/3	9/3	11/3	12/6

per pair extra.

Steel Tyres, **6/9** per pair extra. Rivetting up and cleaning off, **6/3** per pair extra.
Boxing—Collinge's, **5/9** per pair. Mail, **8/3** per pair. Plates at Joints, **10**d. per pair.

AMERICAN OAK SPOKES.

Ready Dressed, 28 ins. long.

No. 5544.



Sizes ..	x	xx	xxx	xxxx	
1¼ in. ..	—	—	—	9/3	per doz.
1⅜ ,, ..	—	—	8/9	10/-	,,
1½ ,, ..	5/9	7/3	9/3	10/6	,,
1⅝ ,, ..	6/3	8/3	9/6	10/9	,,
1¾ ,, ..	6/9	8/9	10/-	11/9	,,
1⅞ ,, ..	7/6	10/-	10/9	12/6	,,
2 ,, ..	8/-	10/6	11/9	13/-	,,
2⅛ ,, ..	8/3	10/9	12/6	13/6	,,
2¼ ,, ..	8/9	11/9	13/-	14/3	,,
2⅜ ,, ..	9/6	12/-	13/6	14/9	,,
2½ ,, ..	9/6	12/6	14/6	15/6	,,
2⅝ ,, ..	10/9	13/6	15/-	16/-	,,
2¾ ,, ..	11/9	14/3	16/-	16/9	,,
3 ,, ..	12/6	16/-	16/9	18/-	,,
3¼ ,, ..	13/3	16/9	17/6	18/9	,.
3½ ,, ..	14/9	17/-	18/9	21/-	,,

Lancewood, Hickory and Ash Shafts, Poles, Futchells, Raves, Wings, &c., Bent to order.



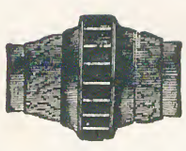
BEST ROCK ELM STOCKS.—AMERICAN.

(12 and 14 Mortices).

No. 5545.

Diam.	5	5½	6	6½	7	7½	8	8½	ins.
	5/6	5/9	6/3	7/-	8/-	8/3	9/6	10/9	pair.
Diam.	9	9½	10½	11	11½	12	12½	ins.	
	12/6	13/9	18/6	21/-	23/9	26/3	30/-	pair.	

If Un-morticed, **9**d. per pair less.



WARNER PATENT HUBS.

(FOR AMERICAN WHEELS).

No. 5546.

For Spoke / Mortised / Length ...	1¼ / 14 or 16 / 7⅓	1⅜ / 12, 14 or 16 / 7⅓	1½ / 12, 14 or 16 / 8	1⅝ / 12, 14 or 16 / 8⅓	1⅞ / 14 or 16 / 9	1⅞ / 14 or 16 / 9⅓	2 / 14 or 16 / 10	2⅓ / 14 or 16 / 11	ins.
	6/9	7/-	8/3	9/6	11/3	13/3	15/6	19/3	pr.

IRONED-UP SHAFTS

with Stops complete.

No. 5547.



Sizes	1⅛	1¼	1⅜	1½	1⅝	in.
	21/-	23/6	25/-	26/9	29/3	per pair.

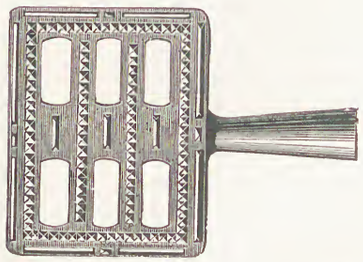
No. 5548.

Iron Tug Knobs for Shafts, **1/3** per doz.

LIGHT GIG AND CART BODIES

of Latest Designs built to order.

COACHBUILDERS' IRONMONGERY.



STEP TREAD.

No. 5549.

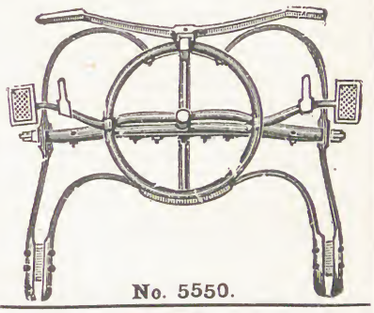
Sizes $4\frac{3}{4}\times4$ in. **2/-** per pair.
5 $\times4\frac{1}{2}$ in. **2/3** ,,
$5\frac{1}{2}\times4\frac{1}{2}$ in. **2/6** ,,
6 $\times5$ in. **2/9** ,,

FORE-CARRIAGE.

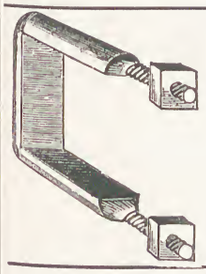
No. 5550.

Stanhope Phaeton with cross Futchells in Bed Plate and Steps attached, Wheel Iron Heads, Thimble Socket, 20 in. Wheel Plate, 34 ins. between centres of Spring bearings.

Price, 175/- each.



No. 5550.



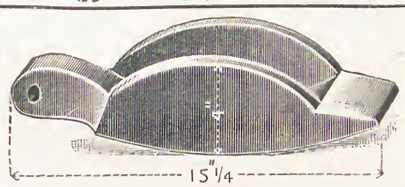
SPRING CLIPS AND COUPLINGS.

No. 5551. STRONG, BLACK HALF-ROUND.

	4 in.	$4\frac{1}{2}$ in.	5 in.	$5\frac{1}{2}$ ins.	6 in.	7 ins. overall.	
$1\frac{1}{2}$ in. wide	**5/6**	**5/9**	**6/3**	**6/9**	**7/-**	—	per dozen.
$1\frac{3}{4}$ in. ,,	**6/9**	**7/-**	**7/6**	**8/-**	**8/3**	**9/3**	,,
2 in. ,,	**7/-**	**7/6**	**8/-**	**8/3**	**8/9**	**9/9**	,,

$2\frac{1}{4}$ in. ,, **$7\frac{1}{2}$d.** per lb.

Bed Clips **$7\frac{1}{2}$d.** per lb.



No. 5552.

Cast Iron Skid Irons **12/6** per cwt.
Special patterns made to order.

FORGED CAPPING IRONS.

No. 5553.



Widths 2 **6/9** $2\frac{1}{4}$ **8/-** $2\frac{1}{2}$ **8/3** $2\frac{3}{4}$ **8/9** 3 **9/6** ins. per pair.

AXLE CLIPS, CAULKED.

No. 5554.

Sizes

$\frac{7}{8}$ **2/3** 1 **2/4** $1\frac{1}{8}$ **2/6** $1\frac{1}{4}$ **2/8** $1\frac{3}{8}$ **2/10** $1\frac{1}{2}$ **3/-** $1\frac{5}{8}$ **3/3** $1\frac{3}{4}$ **3/6** $1\frac{7}{8}$ **4/6** 2 **5/6** ins. per pr.



DASH HANDLES (Filed Bright).



No. 5555.
7/6 per pair.



No. 5556.
8/- per pair.

CART STEPS.

Plain Jagged Tread.



No. 5557.

Single Tread **12/6** per pair.
Double Tread **21/-** per pair.

Grid Plate Tread.



No. 5558.

Single Tread **13/9** per pair.
Double Tread **22/6** per pair.

POLE CRAB.

Wrought Solid End.

No. 5559.

Size up to



$1\frac{5}{8}$ **3/-** each.
$1\frac{3}{4}$ **3/3** ,,
$1\frac{7}{8}$ **3/6** ,,
2 **3/9** ,,
$2\frac{1}{4}$ **5/9** ,,

POLE HEAD, SWIVELLED.

No. 5560.



Size.	Filed.	Polished.	Brass Plated.	Silver Plated.	
$1\frac{1}{2}$	**12/6**	**14/3**	**28/6**	**32/9**	ea.
$1\frac{5}{8}$	**13/-**	**14/9**	**29/3**	**37/-**	,,
$1\frac{3}{4}$	**13/3**	**15/-**	**31/-**	**38/6**	,,
$1\frac{7}{8}$	**13/9**	**15/6**	**32/9**	**40/-**	,,
2	**15/-**	**16/9**	**37/-**	**43/6**	,,

COUPLING PLATES.

No. 5561.



Bare $\frac{3}{8}$ holes, $1\frac{1}{4}$ centres **11/9** gross.
$\frac{3}{8}$,, $1\frac{1}{2}$,, **12/6** ,,
$\frac{7}{16}$,, $1\frac{5}{8}$,, **14/9** ,,
$\frac{1}{2}$,, $1\frac{3}{4}$,, **16/9** ,,

Extra long for Globe Scrolls. $\frac{7}{16}$,, $2\frac{1}{2}$,, **21/-** ,,
$\frac{1}{2}$,, $2\frac{1}{2}$,, **27/6** ,,

DRAGON TONGUE DRAFT BOLTS.

No. 5562.



Size $\frac{6}{16}$ **3/9** doz.
bare $\frac{3}{8}$ **4/3** ,,
$\frac{3}{8}$ **4/6** ,,
$\frac{7}{16}$ **5/6** ,,
$\frac{1}{2}$ **8/-** ,,

SHORE STAY.



No. 5563.
4/3 per pair.

No. 5564.
In parts for shutting
3/- per pair.

TAILBOARD HINGES AND FASTENERS.



No. 5565.
10/- per pair.

No. 5566.
In parts for shutting

1	$1\frac{1}{4}$ in.
10/-	**13/3** per pair.

TRACE HOOKS,

No. 5567.



	Per pair.
Filed	**2/6**
Polished ..	**3/9**
Brass Plated	**8/3**
Silver Plated	**12/6**

WHEEL PLATES AND SWEEP PIECES.

No. 5568.



Sizes kept in Stock, as follows.

Size overall	18 ins.	20 ins.	22 ins.	24 ins.	26 ins.
Size of Iron	$1\frac{1}{2}$ in. $\times\frac{7}{16}$ in.	$1\frac{1}{2}$ in. $\times\frac{7}{16}$ in.	$1\frac{1}{2}$ in. $\times\frac{7}{16}$ in.	$1\frac{1}{2}$ in. $\times\frac{7}{16}$ in.	$1\frac{3}{4}$ in. $\times\frac{1}{2}$ in.
Price without Sweep Pieces .... each	**3/9**	**4/9**	**5/-**	**5/6**	**7/6**
Size overall	28 ins.	30 ins.	32 ins.	34 ins.	36 ins.
Size of Iron	$1\frac{3}{4}$ in. $\times\frac{1}{2}$ in.	$1\frac{3}{4}$ in. $\times\frac{1}{2}$ in.	2 in. $\times\frac{5}{8}$ in.	2 in. $\times\frac{5}{8}$ in.	2 in. $\times\frac{5}{8}$ in.
Price without Sweep Pieces ..... each	**8/9**	**9/3**	**13/3**	**14/-**	**14/9**

Sweep Pieces **5**d. per lb.

TAILBOARD FASTENERS,

No. 5569.



Malleable.
16/9 per doz pairs.

EYE BOLTS.

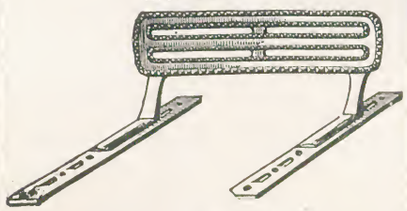
No. 5570.



$\frac{5}{8}$ hole, $\frac{1}{2}$ lug, **9/3** doz.
$\frac{3}{4}$ hole, $\frac{9}{16}$ lug, **12/6** doz.
$\frac{7}{8}$ hole, $\frac{5}{8}$ lug, **15/-** doz.

FOOT REST.

No. 5571.



11 and $13\frac{1}{2}$ ins. wide, **3/-** each.

MALLEABLE OR WROUGHT RUSTIC CART HINGE.

No. 5572.



Malleable .. .. **5/-** per pair.
Wrought .. .. **7/6** ,,

COACHBUILDERS' IRONMONGERY.

TUG STOPS.



No. 5573.



No. 5574.

		Jap'n'd.	Brass.	Nickel.	Silver on Nickel.	
No. 5573.	Single, 2½ in. long	5/6	10/9	13/3	18/6	doz. pairs.
,, 5574.	Double, 5 in. long	8/-	17/6	22/9	31/9	,,
,, 5575.	,, 8 in. long	18/-	27 9	40/-	—	,,

Screws Included.

BREECHING STAPLES.



No. 5581. No. 5584. No. 5583. No. 5585.

		Jap'n'd.	Brass.	Nickel Silver.	Silver on Nickel.	
No. 5581.	Single, 1½ in	3/-	7/-	9/6	12/6	doz. pairs.
,, 5582.	,, 1¾ in.	3/9	8/9	10/9	14/3	,,
,, 5583.	Double	5/-	11/3	15/-	18/6	,,
,, 5584.	Single, on Plates	5/-	15/-	19/3	23/6	,,
,, 5585.	Double ,,	13/3	25/-	31/9	37/6	,,

Screws Included.

SHIFTING TUG STOPS.

No. 5576.



	Gig.	Pony size.	
Japanned	18/6	16/-	doz. prs.
Brass	31/-	25/-	,,
Nickel	45/-	37/6	,,
Silver on Nickel ..	67/-	53/6	,,

Screws Included.

SPARE KNOBS.

No. 5577.

Japanned.	Brass.	Nickel.	Silver Plated.
4/6	5/9	8/-	11/9 doz.

CART BREECHING STAPLES.

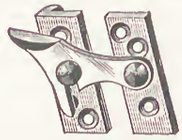


No. 5586.

	Jap'n'd.	Brass.	
5½ long, strong	2/-	4/3	pair.
5½ ,, with Roller ..	3/-	6/3	,,
4½ ,, light	1/6	3/9	,,

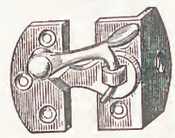
Screws Included.

DOOR FASTENERS.

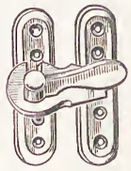


No. 5578.

	Pony.	Dog Cart.
Brass	3/-	3/6 pair.
White Metal ..	4/3	5/- ,,
Silver Plated ..	5/6	6/3 ,,



No. 5579.



No. 5580.

	Pony.	Dog Cart.	Dog Cart.
Brass ..	3/-	3/3	7/6 pair.
White Metal	4/6	5/6	10/- ,,
Silver Plated	6/9	7/6	10/- ,,



No. 5587.

GIG SHAFT POINTS.

	2	2¼	2½	2¾	3 in. long.	
Japanned ..	7/6	9/3	10/9	14/3	19/3	doz. prs.
Brass	13/3	16/-	19/3	28/6	32/9	,,
Nickel Silver ..	18/6	20/-	25/-	33/6	43/6	,,
Silver Close Plated on Iron	3/9	4/-	4/3	—	—	per pair.
Silver Close Plated on German ..	4/3	4/6	5/6	—	—	,,

No. 5588.

CART SHAFT POINTS.



Length.	Depth.	Width.	Jap'n'd.	Brass.	
2½	1½	1¼	10/-	19/3	doz. prs.
2⅝	1 9/16	1⅜	11/3	21/9	,,
2⅝	1¾	1⅜	12/-	23/-	,,
2⅝	1⅞	1 7/16	15/-	24/3	,,
2⅝	2	1 9/16	15/-	27/6	,,



BRASS COACH HINGES.

No. 5591. SINGLE JOINTS.

Width on joint.		Length closed.		
1¼ in.	×	1¼ in.	.. 8/-	doz.
1¼ ,,	×	1½ ,,	.. 9/3	,,
1¼ ,,	×	1¾ ,,	.. 10/9	,,
1¼ ,,	×	2 ,,	.. 12/6	,,
1¼ ,,	×	2¼ ,,	.. 14/3	,,
1½ ,,	×	1½ ,,	.. 11/3	,,
1½ ,,	×	1¾ ,,	.. 13 9	,,
1½ ,,	×	2 ,,	.. 15/-	,,
1½ ,,	×	2¼ ,,	.. 18/-	,,
1½ ,,	×	2½ ,,	.. 19/9	,,

No. 5592. DOUBLE JOINTS.

Width on joint.		Length closed.		
1¾ in.	×	1¾ in.	.. 17/6	doz.
1¾ ,,	×	2 ,,	.. 21/6	,,
1¾ ,,	×	2¼ ,,	.. 22/6	,,
1¾ ,,	×	2½ ,,	.. 24/3	,,
2 ,,	×	2 ,,	.. 22/6	,,
2 ,,	×	2¼ ,,	.. 24/9	,,
2 ,,	×	2½ ,,	.. 27/9	,,
2 ,,	×	3 ,,	.. 33/6	,,



No. 5589. **HANDLES, RULER.**

	2½×1 7/16	3×½	3¼×½	3½×1 9/16	3¾×1 9/16	4×⅝	4¼× full ⅝ in.	
Plain Brass	3/-	3/3	3/9	3 9	4/3	4/6	6/3	per pair.
Best Silver on German ..	7/6	8/3	9/3	10/-	11/3	12/6	14/9	,,
White Metal	5/9	6/3	6/9	7/6	8/3	9/3	11/-	,,

Looped inside Handles .. Brass, 4/6; Silver Plated, 9/3 pair.

No. 5590. COACH BEADING.

BEST QUALITY ONLY.

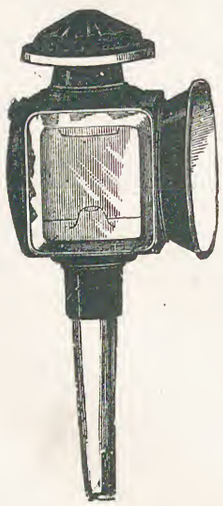
	To Paint.	Pol'd Brass.	White Metal.	Plated.	Silver on German.	
⅜ in. wide	3/9	4/3	4/6	5/6	11 3	12 ft. length.
½ in. wide	5/-	5/6	6/9	7/6	15/-	,,
¾ in. Cornice Bead	12/6	13/3	20/-	27/6	31/9	,,

Brass Plating Rein Rails, 2/6. Best Close Silver Plating ditto, 3/3 and 5/- foot.

Dash Beads in various lengths. Cheaper qualities of Beading can be supplied for Export Orders if required.

No. 5593.

CARRIAGE LAMP.

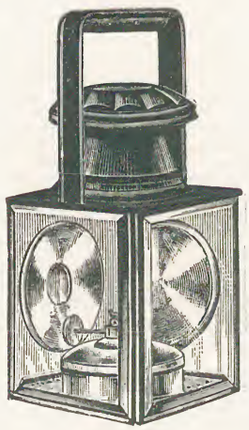


Oval Bell Front, Oblong Narrow Body, for fixing inside Wheel, with Side Lights as shown. Gig.

	Silver Plated Mounts.	Brass Mounted.	
Gig ..	25/6	24/6	pair.

No. 5594.

VAN LAMP.



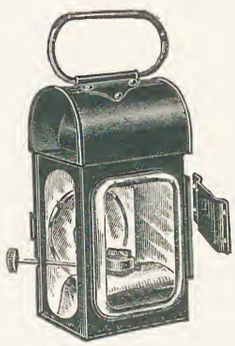
5 × 4 ins. Bevelled Glasses.

Red Back Light.

Price .. .. .. **9/3** each.

No. 5595.

CART LAMP.



Rivetted Lamp.

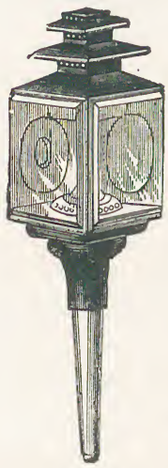
Bevelled Plate Front and Plain Side Glass.

Size, 7 × 3¾ × 3¼ in.

Price .. .. .. **3/6** each.

No. 5596.

CARRIAGE LAMP.



Square Glass. Square Top.

Japanned.	Silver Plated Mounts.		Brass Mounted.		
Pony.	Gig.	Pony.	Gig.	Pony.	Gig.
16/-	18/-	19/3	21/6	19/3	21/6

Per pair.

WROUGHT IRON TUBES AND FITTINGS,

FOR GAS, WATER, AND STEAM.

TRADE PRICE LIST. Discounts on application.

Internal Diameter in inches.	⅛&¼	⅜	½	¾	1	1¼	1½	1¾	2	2¼	2½	2¾	3
TUBES													
TUBES .. 2 to 14 feet long per foot	-/3	-/3½	-/4½	-/6	-/8½	1/-	1/3	1/6	1/9	2/6	3/-	3/3	3/6
PIECES ..12 to 23½ inches long each	-/8	-/9	-/11	1/3	1/9	2/6	3/3	3/11	4/7	6/9	8/6	9/6	10/6
Do. .. 3 to 11½ ,, ,, ,,	-/5	-/5½	-/7	-/10	1/1	1/6	2/-	2/5	2/10	4/3	5/6	6/3	7/-
LONG SCREWS, 12 to 23½ ,, ,, ,,	-/9	-/10	1/-	1/4	1/10	2/8	3/6	4/3	5/-	7/6	9/7	11/3	12/-
Do. 3 to 11½ ,, ,, ,,	-/6	-/6½	-/8	-/10	1/2	1/8	2/3	2/9	3/3	5/-	6/4	7/6	8/3
BENDS .. .. ,,	/7	-/8	-/10	1/-	1/6	2/6	3/-	4/-	5/-	8/6	12/-	15/-	18/-
SPRINGS, not socketed .. .. ,,	-/5	-/6	-/7	-/9	1/1½	1/11½	2/3½	3/1	3/11	6/9	9/6	12/-	14/6
FITTINGS.													
SOCKET or PIPE UNION .. .. each	2/-	2/6	3/-	4/-	5/6	6/9	8/-	9/-	10/-	15/-	17/6	20/-	22/6
ELBOWS, square .. .. ,,	-/8½	-/9	-/10	1/-	1/4	1/10	2/5	3/-	3/10	6/3	9/-	11/6	14/-
Do. round .. .. ,,	-/9½	-/11	1/-	1/3	1/6	2/1	2/7	3/6	4/6	6/9	10/	13/-	17/-
TEES .. .. ,,	-/9	-/10	-/11	1/2	1/5	2/-	2/6	3/2	4/3	6/6	9/6	12/6	16/6
CROSSES .. .. ,,	1/4	1/6	1/11	2/4	3/-	4/-	4/10	6/-	7/9	14/-	21/4	28/-	40/-
SOCKETS, plain .. .. ,,	-/2	-/2	-/3	-/3½	-/4½	-/6½	-/8½	-/11	1/1	1/9	2/6	3/-	3/6
Do. diminished .. .. .. ,,	-/3	-/4	-/5	-/6	-/7	-/9	-/11	1/2	1/4	2/3	3/3	4/-	5/-
FLANGES .. .. ,,	-/9	-/10	1/-	1/2	1/4	1/9	2/-	2/3	2/9	4/-	5/-	6/9	8/6
CAPS .. .. ,,	-/3½	-/3½	-/5	-/6	-/8	1/-	1/3	1/7	2/-	3/-	4/4	5/3	6/-
PLUGS .. .. ,,	-/3	-/3	-/4	-/5	-/6	-/8	-/10	1/-	1/3	2/-	2/6	3/6	4/9
BACKNUTS.. .. .. ,,	-/2	-/2	-/3	-/3½	-/5	-/6	-/8	-/10	1/1	1/9	2/3	3/-	3/6
NIPPLES .. .. ,,	-/2	-/2	-/3	-/3½	-/4	-/6	-/8	-/10	1/-	1/9	2/3	3/-	3/6
BARREL NIPPLES .. .. .. ,,	-/5	-/5	-/7½	-/9	-/10	1/3	1/8	2/1	2/6	4/4	5/8	7/6	8/9
UNION BENDS .. .. ,,	2/6	3/-	3/9	5/-	6/3	8/6	10/-	11/6	13/6	21/-	27/-	32/-	37/-
MAIN COCKS .. .. ,,	2/3	2/9	3/6	4/6	6/6	8/6	11/-	14/-	18/-	27/-	40/-	50/-	60/-
Do. with Brass Plugs .. ,,	—	7/-	8/9	11/6	16/-	21/6	28/-	35/-	45/-	68/-	100/-	112/-	125/-
ROUND WAY COCKS .. .. ,,	—	3/6	4/-	5/6	7/6	10/-	13/-	17/6	22/-	38/-	60/-	65/-	75/-
Do. with Brass Plugs.. ,,	—	10/6	12/-	16/6	22/6	30/-	39/-	52/6	66/-	114/-	180/-	195/-	225/-
COCK SPANNERS, wrought .. ,,	—	1/6	1/8	2/2	2/8	3/2	3/6	4/-	4/3	4/9	6/-	7/6	9/-
Do. malleable cast ,,	—	1/-	1/4	1/8	2/-	2/4	3/-	3/6	4/-	4/9	6/-	7/6	9/-

TUBES, SCREWED AND SOCKETED, supplied in short random lengths of from 2 feet to 6 feet inclusive, or in exact lengths of any length, are charged 2½ per cent. less gross discount.

TUBES, NOT SCREWED, supplied in random lengths of any length, are charged at the current discount, with an **extra allowance** of 2½ per cent. off the nett.

TUBES, NOT SCREWED, cut to exact lengths of any length, are charged at the **same discount** as Tubes screwed and socketed in random lengths.

TUBES SCREWED and sent **without sockets**, are charged at the current discount with an **extra allowance** of 1¼ per cent. off the nett.

ALL SHORT LENGTHS under 2 feet to be considered **Pieces.**

TUBES OF INTERMEDIATE DIAMETERS are charged at the list prices of the next larger sizes.

SPRINGS, IF SOCKETED, will be charged extra for the sockets at list prices.

DIMINISHED SOCKETS. The ordinary discounts for Diminished Sockets do not apply to Sockets diminished by more than one inch.

ORDERS NOT AMOUNTING TO £3 nett value will be sent carriage forward.

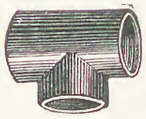
AMERICAN MALLEABLE IRON FITTINGS.

Screwed for Wrought Iron Pipe (English Standard Thread).

FOR STEAM, WATER AND GAS.



Elbow.
Nos. 5597.



Tee.
5598.



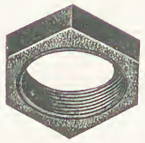
Cross.
5599.



Plug.
5600.



Cap.
5601.



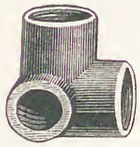
Back-nut.
5602.



Reducing Socket.
5603.



Coupling R. H. Taper Threads.
5604.



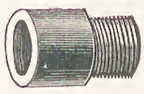
Elbow Side Outlet.
Nos. 5605.



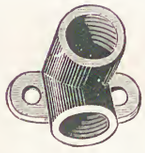
Tee Side Outlet.
5606.



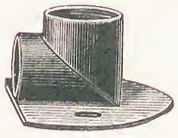
Right and Left Hand Extra Strong Socket.
5607.



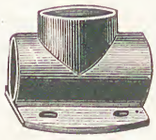
Extension Piece.
5608.



Iron Elbow, Strapped.
Nos. 5609.



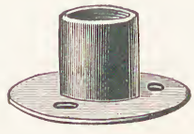
Drop Elbow, Round Flange.
5610.



Drop Tee, Round Flange.
5612.



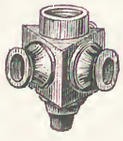
Drop Tee, Strapped.
5611.



Ceiling Plate or Drop Socket.
5614.



Two-Light Body.
Nos. 5616.



Three-Light Body.
5617.



Four-Light Body.
5618.



Male. Open Chandelier Hooks.
5619.



Female.
5620.



Closed. Chandelier Hook.
5621.



Pipe Strap (Clip).
5622.



Star Pattern Pipe Strap (Clip).
5623.



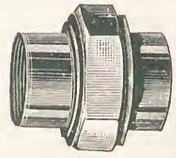
Hex Bushing.
Nos. 5624.



Flush Bushing.
5625.



Eccentric Bushing.
5626.



Malleable Iron Union.
5627.



Equal.

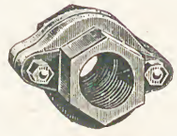


Reduced.

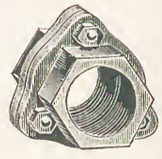
Hexagon Taper Nipples.
Nos. 5628. **5629.**



Oval Flange.
5630.



Two-bolt Flange Union.
5632.



Treble-bolt Flange Union.
5633.

		Sizes,	⅛	¼	⅜	½	¾	1	1¼	1½	2	ins.
No. **5597.**	Elbows		3½d.	3½d.	5d.	6d.	8d.	1/-	1/6	2/-	3/-	each.
,, **5598.**	Tees		4d.	4d.	5½d.	7½d.	9d.	1/2	1/8	2/3	3/4	,
,, **5599.**	Crosses		5d.	5d.	7d.	10d.	1/1	1/6	2/-	2/10	4/2	,,
,, **5600.**	Plugs		2d.	2d.	2d.	3d.	4d.	6d.	8d.	10d.	1/3	,,
,, **5601.**	Caps		2d.	2d.	3d.	4d.	5½d.	7½d.	9d.	1/-	1/6	,,
,, **5602.**	Back-nuts		1½d.	1½d.	1½d.	2½d.	3d.	4½d.	5½d.	7½d.	11d.	,,
,, **5603.**	Reducing Sockets		—	3d.	4d.	5d.	6d.	7d.	9d.	11d.	1/4	,,
,, **5604.**	Couplings R.H. Taper Thread		2½d.	2½d.	3d.	4d.	6d.	8d.	1/-	1/4	1/11	,,

Discounts on Application. See next page for remainder of Prices for above Drawings.

AMERICAN MALLEABLE IRON FITTINGS.—Continued.

Screwed for Wrought Iron Pipe (English Standard Thread).

FOR GAS, WATER AND STEAM.

	Size	⅜	½	¾	1	1¼	1½	2 ins.	
No. 5605.	Elbows, Side Outlet	5d.	8d.	1/2	1/7	2/1	3/9	5/9	each.
,, 5606.	Tees, Side Outlet	7d.	10d.	1/4	1/9	2/4	4/-	6/-	,,
,, 5607.	Right and Left Hand Sockets	4d.	5d.	7½d.	9d.	1/3	1/8	2/3	,,
,, 5608.	Extension Pieces	5d.	6d.	7d.	11d.	1/6	2/-	3/3	,,
	Size	..	..	¼	⅜	½	¾	1 in.	
No. 5609.	Drop Elbows, Strapped	..	..	4½d.	6½d.	8d.	1/-	1/9	each.
,, 5610.	Drop Elbows, Round Flange	..	..	5½d.	7½d.	11d.	1/6	2/-	,,
,, 5611.	Drop Tees, Strapped	..	..	6d.	7½d.	10d.	1/2	1/8	,,
,, 5612.	Drop Tees, Round Flange	..	..	7d.	9d.	1/-	1/6	1/10	,,
,, 5613.	Drop Tees, Strapped M. & F.	..	..	4½d.	8½d	11d.	1/3	1/9	,,
,, 5614.	Ceiling Plates or Drop Sockets	..	..	6d.	7½d.	10d.	1/-	1/6	,,
,, 5615.	Ceiling Plates or Drop Sockets, reducing to ⅜ Brass	..	..	7d.	9d.	1/-	1/2	2/4	,,

	Size	⅛	¼	⅜	½	¾	1	1¼	1½	2 ins.	
No. 5616.	*Pendant Bodies: Two-light	—	—	1/2	1/6	2/6	4/3	—	—	—	each.
,, 5617.	,, ,, Three-light	—	—	2/-	2/8	3/8	5/8	—	—	—	,,
,, 5618.	,, ,, Four-light	—	—	2/3	3/-	4/6	6/-	—	—	—	,,
,, 5619.	Chandelier Hooks, Open Male	6d.	6d.	6d.	7½d.	1/1	—	—	—	—	,,
,, 5620.	,, ,, ,, Female	6d.	6d.	6d.	7½d.	1/1	—	—	—	—	,,
,, 5621.	,, ,, Closed Male	5½d.	6d.	6d.	7½d.	1/1	—	—	—	—	,,
,, 5622.	Straps or Clips	—	1d.	1¼d.	1½d.	2½d.	3d.	4d.	5d.	7d.	,,
,, 5623.	,, ,, (Star Pattern)	—	—	1½d.	2d	3d.	4½d.	6d.	7d.	10d.	,,

*Pendant Bodies are supplied: ⅜ × ¼ in., ½ × ¼ or ⅜ in., ¾ × ⅜ or ½ in., 1 × ½ or ¾ in.

MALLEABLE IRON BUSHINGS OR REDUCERS.

	Size	¼	⅜	½	¾	1	1¼	1½	2	2½ ins.	
No. 5624.	Hex. Bushings, Black	2d.	2d.	2d.	2½d.	3d.	3½d.	4½d.	7d.	10½d.	each.
,, 5625.	Flush Bushings	—	4d.	4½d.	5½d.	6½d.	8½d.	11d.	1/4	2/-	,,
,, 5626.	Eccentric Bushings	—	—	—	7d.	8d.	9½d.	1/-	1/7	—	,,

MALLEABLE IRON UNIONS.

	Size	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4 ins.	
No. 5627.		9d.	10d.	11d.	1/2	1/5	1/11	2/5	3/2	6/6	8/9	15/3	18/2	each.

MALLEABLE IRON NIPPLES AND FLANGES.

	Size	¼	⅜	½	¾	1	1¼	1½	2	2½	3 ins.	
No. 5628.	Equal } Hexagon Taper Nipples	5d.	5½d.	6½d.	7½d.	10d.	1/3	1/10	2/10	4/9	6/6	each.
,, 5629.	Reduced } Hexagon Taper Nipples	6d.	8d.	10d.	1/2	1/4	1/6	2/-	2/6	5/-	8/-	,,
,, 5630.	Oval Flanges	9d.	10d.	1/-	1/6	1/10	2/3	2/8	3/6	4/8	6/3	,,
,, 5631.	Round Flanges	—	—	2/4	2/9	3/10	4/6	5/-	5/6	—	—	per pair.
,, 5632.	Flange Unions, with Two Bolts and Nuts, packed ready for use	—	—	2/8	3/-	4/-	4/10	5/9	6/2	11/4	16/6	,,
,, 5633.	Flange Unions, with Three Bolts and Nuts, packed ready for use											

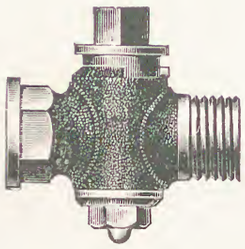
Hex. Reducing Nipples same Price and Discount as equal.

Right and Left Hand Hexagon Nipples 2½ per cent. less gross discount.

DISCOUNTS ON APPLICATION.

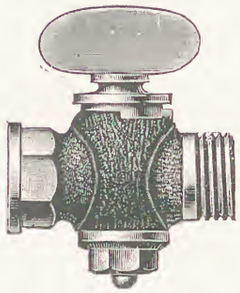
FOR DRAWINGS SEE PRECEDING PAGE.

BRASS GAS FITTINGS.



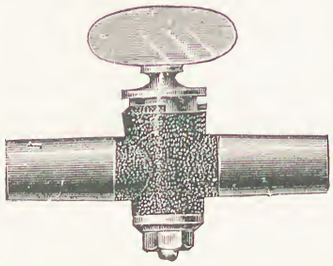
No. **5634**. Main Cock.

¼ ⅜ ½ ¾ 1 1¼ 1½ in
11/3 13/3 17/3 26/- 46 9 96/- 120/- doz.



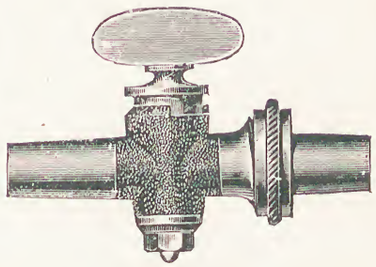
No. **5635**. Main Cock.

¼ ⅜ ½ ¾ 1 in.
12/- 14/9 18/9 28/- 53/3 doz.



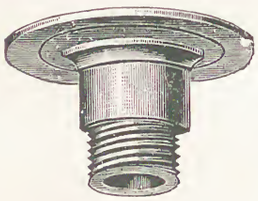
No. **5636**. Main Cock for Lead.

¼ ⅜ ½ ¾ 1 1¼ 1½ in.
7/3 10/- 13/3 26/9 46/9 76/- 120/- doz.



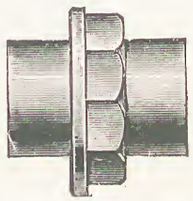
No. **5637**. Main Cock for Lead. Tighted Lining.

¼ ⅜ ½ ¾ 1 1¼ 1½ in.
10/- 13/3 18/- 33/3 58/9 93/3 140/- doz.



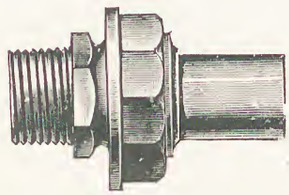
No. **5638**. Ceiling Plate for Iron.

⅛ ¼ ⅜ ½ ¾ 1 in.
4/- 5 3 6 3 8/6 14/9 21/3 doz.



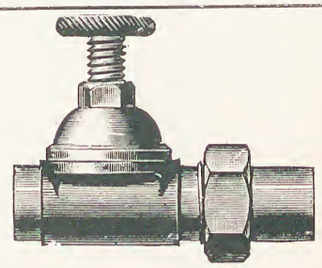
No. **5639**. Union Joint for Iron.

¼ ⅜ ½ ¾ 1 1¼ 1½ in.
5/3 7/3 10/9 16/- 21/3 36/- 48/- doz.



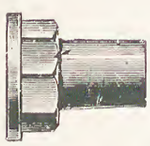
No. **5640**. Union Joint for Iron and Lead.

¼ ⅜ ½ ¾ 1 1¼ 1½ in.
5/9 8/9 12/- 18/9 24/- 41/3 56/- doz.



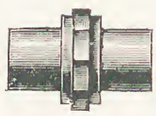
No. 5641. Carters Valve.

For Iron ⅛ ¼ ⅜ ½ ¾ in.
No. **5641** **19/3 23/3 27/3 36/- 50/-** doz.
For Brass ⅜ ½ ⅝ ¾ in.
No. **5642** **19/3 23/3 27/3 36/-** doz.



No. **5643**. Cap and Lining for Lead. Large Way.

¼ ⅜ ½ ¾ 1 1¼ 1½ in.
1/9 2/3 3/3 5/3 8/9 14/9 18/9 doz.



No. **5644**. Union Joint for Brass.

¼ ⅜ ½ ¾ 1 in.
3/3 3/6 5/3 9/- 15/3 doz.



No. **5645**. Cup and Ball Joints for Iron.

¼ ⅜ ½ ¾ 1 ½ × ½ ¾ × ¾ in.
⅜ ¾ ½ 1 in.
16/- 18/9 24/- 33/3 52/- 22/9 28/9 31/3 41/3 doz.
Male or Female.



No. **5646**.



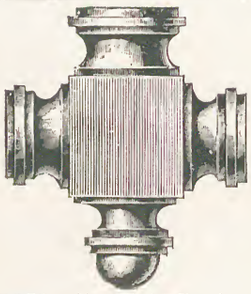
No. **5647**. Union Joint for Brass.

⅜ ½ ⅝ ¾ in.
3/9 5/9 7/9 10/3 doz.



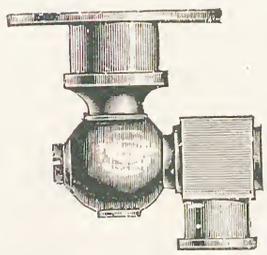
No. **5648**. Union Joint Brass and Compo.

⅜ ½ ⅝ ¾ in.
3/9 5/9 7/9 10/3 doz.



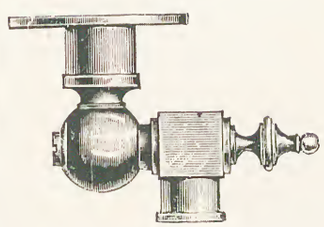
No. **5649** Two-light Pendant Body For Iron.

⅜ ½ ½ ¾ 1 1¼ 1½
× × × × × × × ×
¼ ⅜ ½ ¾ ¼
14/- 17/3 18/9 20/- 24/- 28/- 43/3 66/9 112/-
per dozen.



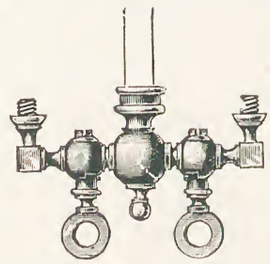
No. **5650**. Pendant Top for Iron.

⅛ ¼ ⅜ ½ ¾ 1 in.
12/9 16/9 22/9 30/- 42/9 88/- doz.



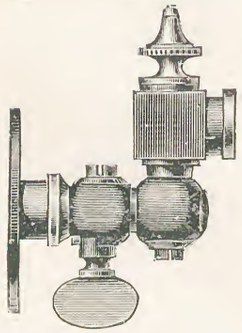
No. **5651**. Pendant Top for Brass.

⅜ ½ ⅝ ¾ in.
14/- 16/9 18/9 23/3 doz.



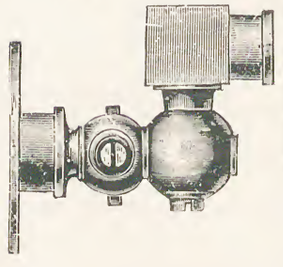
No. **5652**. Two Light Body and Cocks for ½ in. Iron Down Rod.

Lacquered or Bronzed. **3 9**
Polished and Lacquered. **4/3** each.



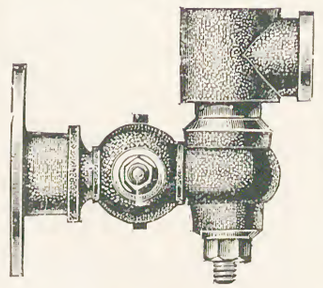
No. **5653**. Bracket Back for Brass

⅜ ½ ⅝ ¾ in.
16/9 19/3 26/- 36/- doz.



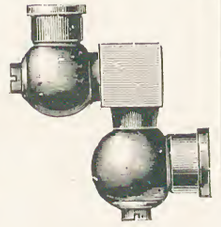
No **5654**. Bracket Back for Iron

⅛ ¼ ⅜ ½ in.
17/3 21/3 26/9 37/3 doz



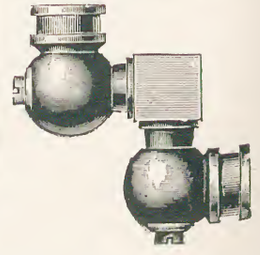
No **5655**. Bracket Back for Iron.

⅛ ¼ ⅜ ½ ¾ in.
21/3 26/9 33/3 48/- 80/- doz.



No. **5656**. Universal Swivel for Brass.

⅜ ½ ½ ⅝ in.
× ×
⅜ ½
13/3 14/- 15/3 18/9 doz.



No. **5657**. Universal Swivel for Iron.

⅛ ¼ ⅜ ½ ¾ in.
13/3 16/9 21/3 36/- 56/- doz.

BRASS GAS FITTINGS.



No. **5658.**
Single Swivel, for Brass.
$\frac{3}{8}$ $\frac{1}{2}\times\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}\times\frac{1}{2}$ inch
6/9 7/3 8/9 10/- dozen.



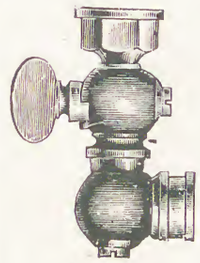
No. **5659.**
Single Swivel, for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ inch
6/9 9/- 11/9 20/- 30/9 doz.



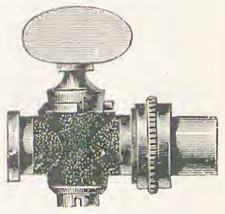
No. **5660.**
Double Swivel, for Brass.
$\frac{3}{8}$ $\frac{1}{2}\times\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}\times\frac{1}{2}$ inch
8/3 9/- 10/- 11/3 doz.



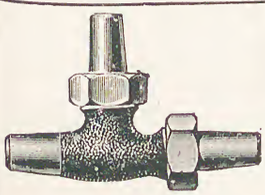
No. **5661.**
Double Swivel, for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ inch
8/3 11/3 14/9 25/3 37/3 doz.



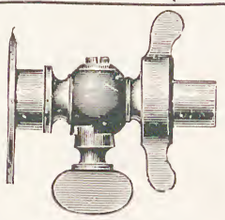
No **5662.**
Swivel Cock, for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ inch
13/3 15/3 21/3 33/3 doz.



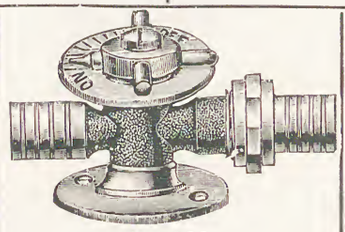
No. **5663.**
Union Cock, large way, for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ inch
12/9 15/3 20/9 33/3 doz.



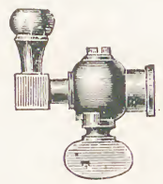
No. **5664.**
Tee Union for Compo.
$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ inch
7/- 8/3 10/9 14/9 20/- doz



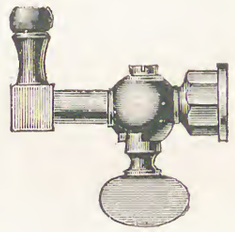
No. **5665.**
Flexible Tube back, for Brass, Plain.
$\frac{3}{8}$ $\frac{1}{2}$ inch
15/3 17/3 dozen



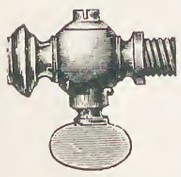
No. **5666.**
Floor Cock for Brass.
$\frac{3}{8}$ $\frac{1}{2}$ inch
38/9 40/- dozen



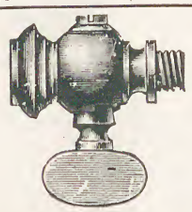
No. **5667.** Elbow Cock for Brass.
$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{1}{2}$ inch
7/- 7/3 7/9 8/3 dozen
Screwed for Globe Holder.
7/9 8/- 8/3 9/- dozen



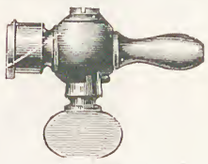
No. **5668.**
Elbow Cock for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ inch
9/- 9/9 11/- 13/3 18/- doz.



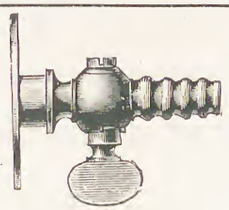
No. **5669.**
Nose Cock for Brass.
$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ inch
7/3 8/3 10/9 12/- 16/9 22/- doz



No. **5670.**
Nose Cock for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ inch
7/3 8/3 10/9 12/- 16/9 22/- 28/- doz.



No. **5671.**
Flexible Tube Cock, for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ inch
7/9 8/9 10/3 dozen



No. **5672.**
Flexible Tube Back.
$\frac{3}{8}$ inch **11/-** per dozen.



No. **5673.**
Burner Elbow. For Brass.
$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ inch
2/3 3/3 4/- dozen
No. **5674.** For Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ inch
2/3 3/3 4/- dozen



No. **5675.**
Knee Socket for Brass.
$\frac{3}{8}$ $\frac{1}{2}$ inch
2/3 3/3 dozen



No. **5676.**
Tube Nosepiece for Brass.
$\frac{3}{8}\times1\frac{1}{4}$ $\frac{3}{8}\times1\frac{1}{2}$ $\frac{1}{2}\times1\frac{1}{2}$ in.
9d. 1/- 1/3 dozen



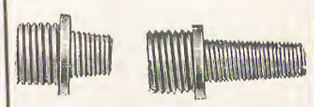
No. **5677.** $\frac{3}{8}$ inch.
Tube Elbow. Brazed.
1×1 $1\frac{1}{4}\times1$ $1\frac{1}{4}\times1\frac{1}{4}$ in.
1/6 1/6 1/9 dozen
$1\frac{1}{2}\times1\frac{1}{4}$ $1\frac{1}{2}\times1\frac{1}{2}$ $2\times1\frac{1}{4}$ in.
1/9 1/9 2/- dozen



No **5678.** Plug for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ inch
1/6 2/- 3/- 4/9 doz
No. **5679.** Cap for Iron.
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ inch
10d. 1/6 2/3 3/6 doz



No. **5680.**
Adapter.
$\frac{3}{8}$ in. × Burner.
1/- dozen.
$\frac{1}{2}$ in. × Burner.
2/9 dozen.



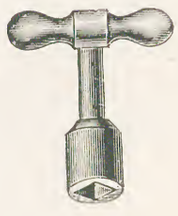
No. **5681.** No. **5682.**
Nipples for Iron
Short.
$\frac{1}{8}\times\frac{1}{8}$ $\frac{3}{8}\times\frac{1}{8}$ $\frac{3}{8}\times\frac{1}{4}$ $\frac{1}{2}\times\frac{1}{4}$ $\frac{1}{2}\times\frac{3}{8}$
1/3 2/- 2/9 3/3 3/9 4/-
$1\frac{1}{2}$ in. long.
2/- 2/3 3/- 4/ 4/6 4/9
per dozen.



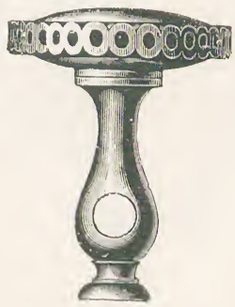
No. **5683.**
Gas Floor Plate.
Lacquered.
3 inch **10/9** dozen.



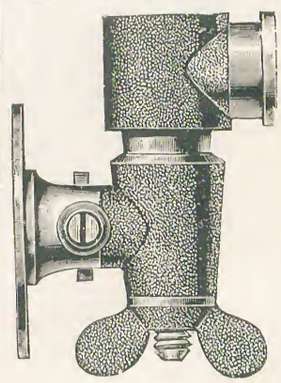
No. **5684.**
Atmospheric Burner.
$\frac{1}{8}$ inch Iron.
6/6 per dozen.



No. **5685.**
Brass Box Key.
Size of Hole
$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ inch
6/9 9/3 10/9 13/3
per dozen.



No. **5686.**
Atmospheric Burner.
$1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 inch
12/- 14/9 17/3 22/9
per dozen



No. **5687.**
Outside Lamp Top.
For Iron.
$\frac{1}{2}$ $\frac{3}{4}$ inch
50/9 77/3
per dozen

BRAY'S GAS BURNERS.



No. 5688. No. 5689. No. 5690. No. 5691.

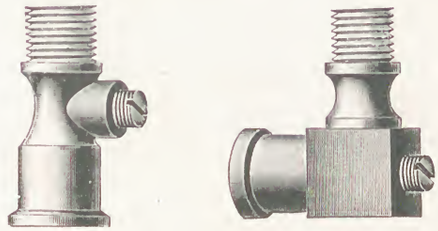
No. **5688** "Regulator" 0 to 7 Union Jets, **8**/- gross
,, **5689.** "Market" 8 and 9 Union Jets, **12/6** ,,
,, **5690.** "Adjustable" 2 to 8 Tops, 0 to 6 Bottoms .. .. **22**/- ,,
,, **5691.** Economiser size 7 .. .. **8/6** ,,

SUGG'S GAS BURNER.



No. **5692**
Patent Coned Top Governor Burner.
Sizes 1 to 6 feet per hour.
22/6 dozen.

THE "UNIVERSAL" PATENT GAS REGULATOR.

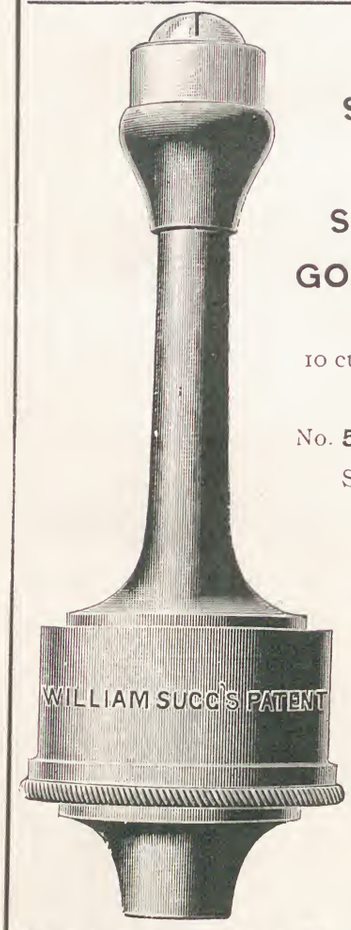


No. 5693. 5694.

Screwed for Gallery.

To control and give an exact supply to any kind of Burner—especially Incandescent. It much improves the light in all cases. When once set at lowest varying pressure, an even perfect light is obtained and a waste of gas impossible.

No **5693.** Straight, ⅜ in. .. .. **5/3** doz.
,, **5694.** Elbow, ⅜ in .. .. **5,9** ,,



No. **5695.**

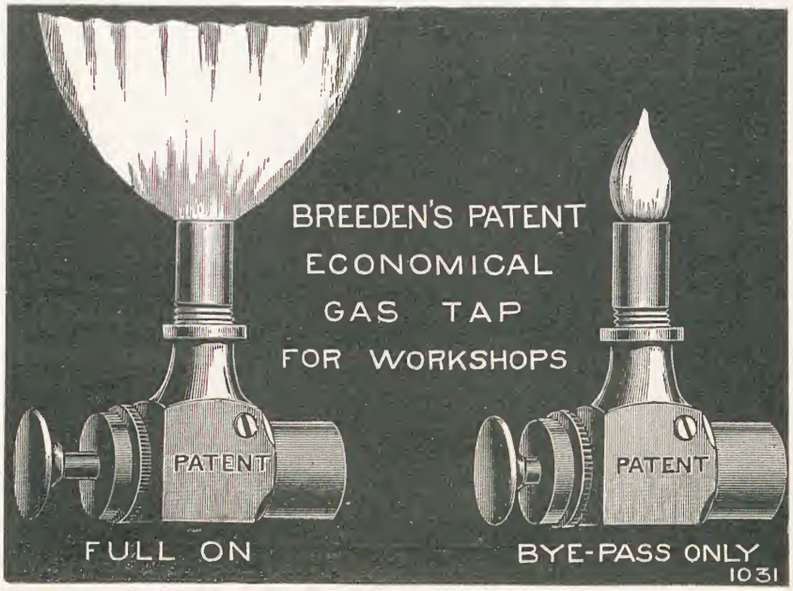
SUGG'S PATENT CONED TOP STEATITE FLOAT GOVERNOR BURNERS.

In Strong Brass Case.
10 cubic feet per hour, **12/9** each.

No. **5696.** Ditto, Fitted with 8 in. Silvered Copper Reflector.
24/9 each.

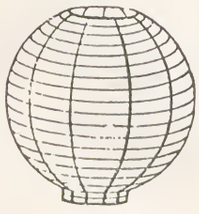
No. **5697.** Ditto, with 14½ in. Silvered Copper Reflector, mounted in Brass Frame with strong Strap at back.
56/3 each.

BREEDEN'S PATENT BYE-PASS TAP.



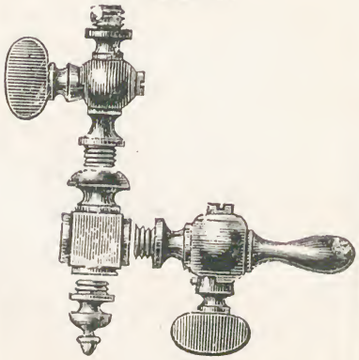
No. **5698.** Elbow as drawn, or Pillar, same price.
⅜ in. Brass Elbow for Burner .. .. **11/6** per dozen.
⅜ in. ,, ,, screwed for Globe Holder **13/3** ,,

WIRE GAS MOONS.

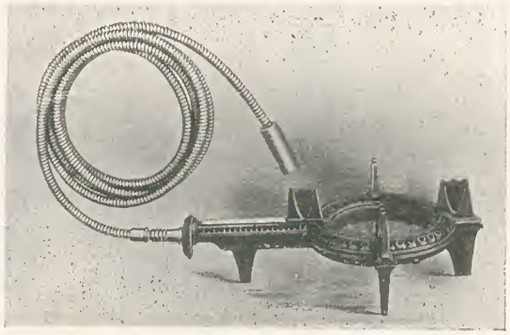


No **5700.**
6/- per dozen.

FLEXIBLE TUBE COCK.



No. **5701.**
Size, ⅜ in., Brass .. **1/9** each.



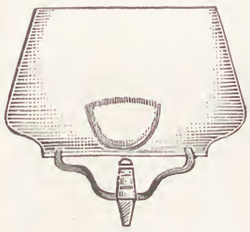
FLEXIBLE METALLIC GAS TUBING.

No. **5699.** Steel.

Sizes,	1/8	3/16	7/32	1/4	5/16	3/8	1/2	5/8	3/4 in. Internal diam.
Price	**3**d	**3**d	**3**d	**3½**d.	**4**d.	**5½**d.	**7**d.	**9**d.	**11**d. per foot.
Rubber Connections,	**2½**d.	**2½**d.	**2½**d.	**2½**d.	**2½**d.	**4**d.	**8**d.	—	— each.

Illumination Devices, Bucket Lamps and Candles Supplied.
Drawings and Prices submitted on receipt of enquiry with full particulars.

OPAL.

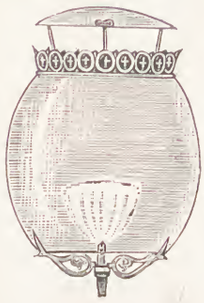


7½ in.

No. **5702.**
Globe, Holder and Burner.
1/6 each.

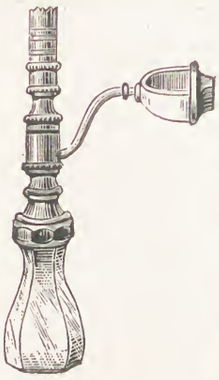
No. **5703.**
Globes only, **1**/- each.

COMET GLOBE.



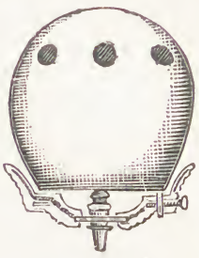
No. **5704.**
Burner and Holder.
Coronet and Callotte, 4⅜ ins., and Opal Globe.
2/3 per set complete.

CIGAR LIGHTER.



No. **5705.** Crystal Handle.
9/- each.

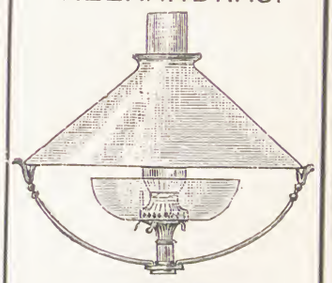
UNIQUE GLOBES.



No. **5706.**
Opal Globes only.
1/6 each.

No. **5707.**
Holders and Burners.
11/- dozen.

OPAL ALEXANDRAS.



No. **5708.**
Regulating Argand Burner, Male Screw, Shade, Holder, Screen and Chimney.
4/- per set complete.

GLASS RING CEILING SHADE.



No. **5709.**

6	8	9	10	12 ins.
9/-	**12**/-	**13/6**	**15**/-	**18**/- doz.

GLASS BELL SHADE.



No. **5710.**

6	8	9	10	12 ins.
11/-	**14**/-	**15/6**	**17**/-	**22**/- doz.

ENAMELLED STEEL CEILING SHADE.



No. **5711.**

4	6	8	9	10	12	14 ins.
5/6	**7/6**	**9**/-	**10/6**	**12**/-	**18**/-	**28**/- doz.

GAS BLOCKS. POLISHED.

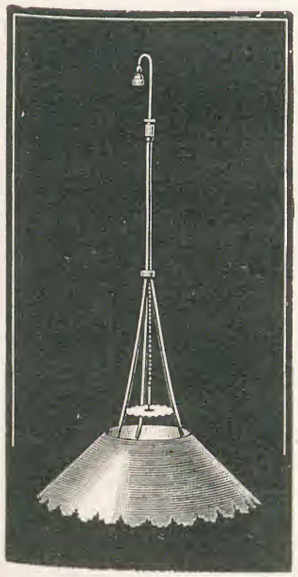


No. **5712.**
Imitation Ebony or Mahogany.

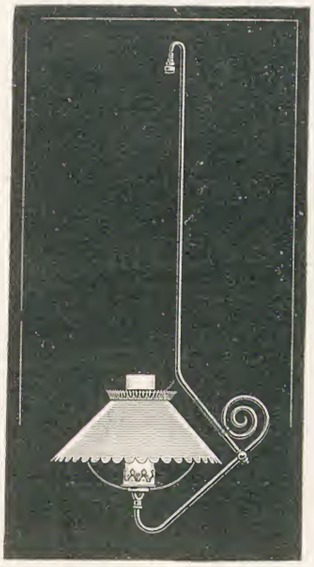
3	3½	4	4½	5	6	7 ins.
1/6	**1/8**	**1/10**	**2**/-	**2/6**	**3**/-	**5**/- doz.

Grooved Blocks **2d.** per dozen extra.

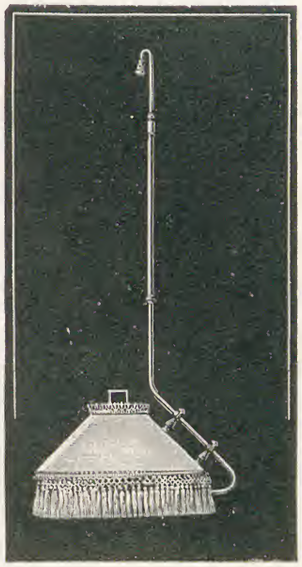
PENDULOUS GAS ATTACHMENTS, &c.



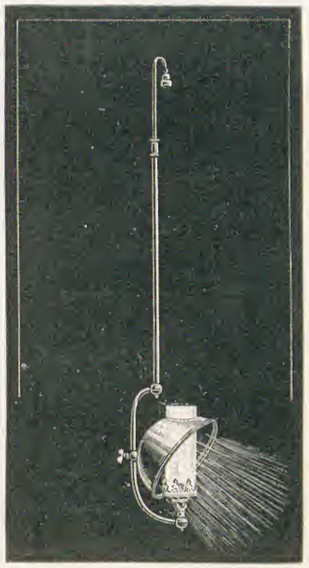
No. **5713.** Telescopic.
Fitted with Mica Deflector and Superior Shade.
10/6 each.



No. **5714.** ½ Non-Telescopic.
Finished all Bright Patent Shade Holder. Length, 2 ft. 5 ins.
10/6 each.



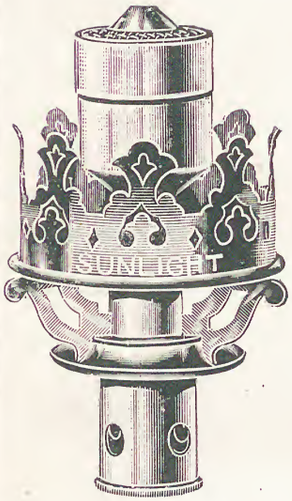
No. **5715.** Telescopic.
Complete with Best Silk Fringe Shade.
16/- each.



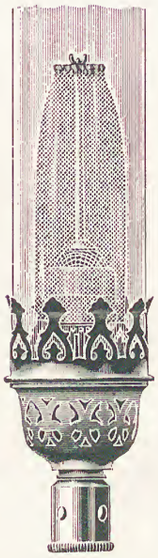
No. **5716.** Telescopic.
With Adjustable Metal Reflector.
12/- each.

The "Pendu Light" is a device for suspending or bringing down a lower light from an existing gas bracket or chandelier, for use as a reading-lamp, etc. By its use, a strong light is obtained in the right place—that is, on the work—and screened from the eyes, which is equally desirable. It can be instantly attached or detached, and when not required, can be hung up on a bracket provided for that purpose.

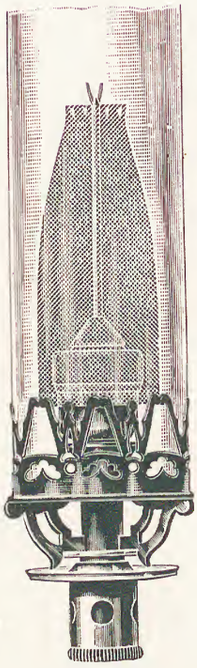
INCANDESCENT GAS BURNERS.



"**Sunlight C**" **Burner.**



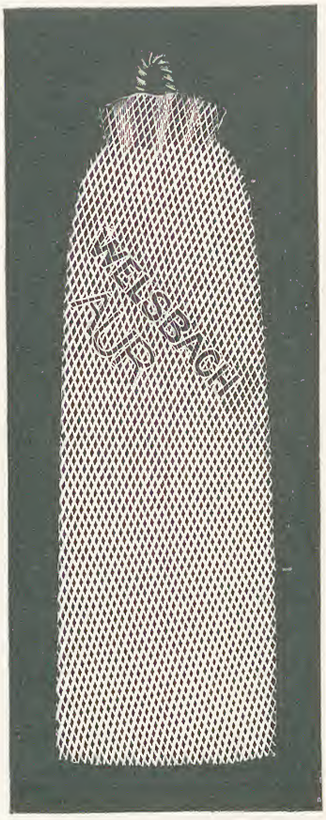
Welsbach "Gem" Burner.



Welsbach "C" Burner.



Bye-pass "Kern" Burner.
Chimneyless Patent.



For GLOBES and CHIMNEYS to suit, See Pages 527 and 528.	Burners only.			Ordinary.	With Bye Pass.	Bye Pass with Lever and Chains.	For INVERTED INCAN-DESCENT BURNERS, see next page.
	No. 5717.	"Sunlight" Burners "C"		**9½d**	**1/9**	**2/-** each.	
	,, **5718.**	Welsbach "Gem"		**1/6**	**3/-**	**3/6** ,,	
	,, **5719.**	Welsbach "C"		**1/6**	**3/-**	**3/6** ,,	
	,, **5720.**	Welsbach "Kern"	o to 2	**3/-**	**4/9**	**5/6** ,,	
	,, **5721.**	Do. do.	3	**3/9**	**5/3**	**6/-** ,,	
	,, **5722.**	Do. do.	4	**4/9**	**6/3**	**7/-** ,,	
	,, **5723.**	Do. do.	7	**10/-**	**12/-**	**13/3** ,,	

INCANDESCENT GAS MANTLES.

No. 5724.	"Gladiators"	**4/-** per doz.
No. 5725.	"Sunlights"	**5/3** ,,
No. 5726.	Welsbach "Gems"	**6/-** ,,
No. 5727.	Welsbach "C"	**6/-** per doz.
No. 5728.	Welsbach "Kerns" o to 4 ..	**6/-** ,,
No. 5729.	Do. do. No. 7 ..	**14/-** ,,

BEST QUALITY MANTLE RODS.
No. 5730.



4d. per dozen.

GLOBE GALLERIES.
No. 5731.



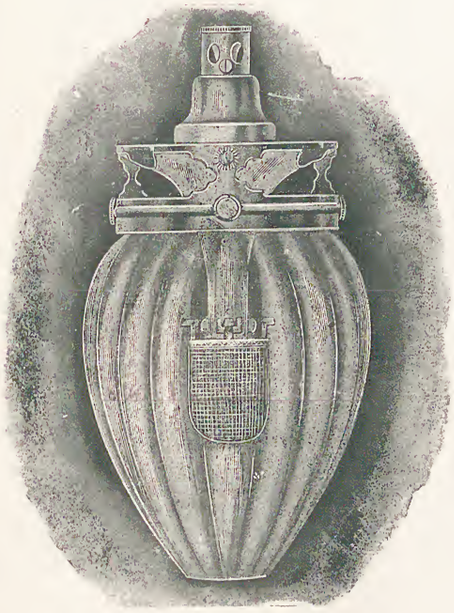
1/6 per dozen.

ADAPTERS.
No. 5732.



1/- per dozen.

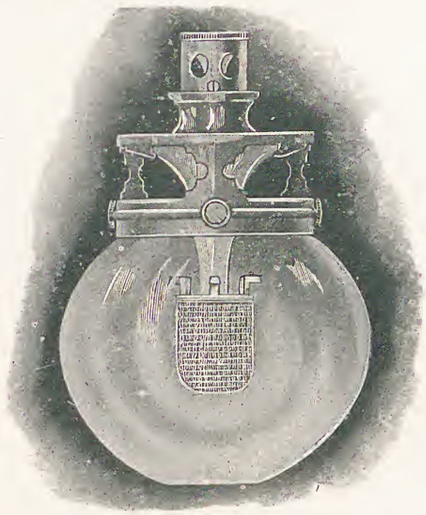
PATENT INVERTED INCANDESCENT GAS BURNERS.



No. **5733**.—BURNER, (Two-thirds full size).

65 Standard Candle Power. Gas Consumption only 3 cubic feet per hour.

Polished Brass or Steel Bronzed (without Globe or Mantle), **4/9** each; Clear Globe (as shown) **8**d. each; Obscured ditto, from **10**d. each; Extra Mantles **9**d. each.



20 Standard Candle Power.
Gas Consumption only 1 cubic foot per hour.

No. **5734**.—"BIJOU" BURNER.
(Half full size).

Polished Brass or Steel Bronzed (without Globe or Mantle), **3/3** each.

Extra Mantles, **7½**d. each.

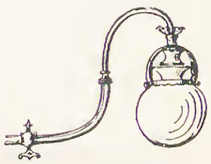
Clear or Obscured Globes, **6**d. each.

ADAPTERS,

For use with existing fittings.

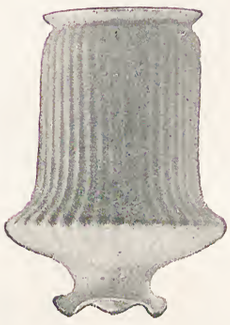


No. **5735**.
1/2 each.



No. **5736**.
10d. each.

No **5737**.
(Same as above for "Bijou" Burner), **9**d each.



No. **5738**.
Crystal Obscured.
1/3 each.

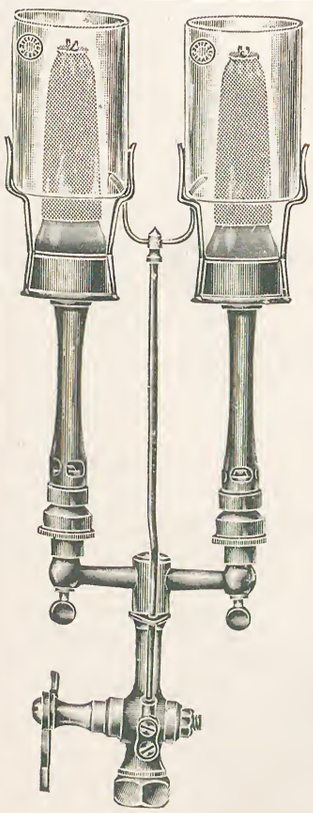


No. **5739**.
Crystal Etched.
1/9 each.

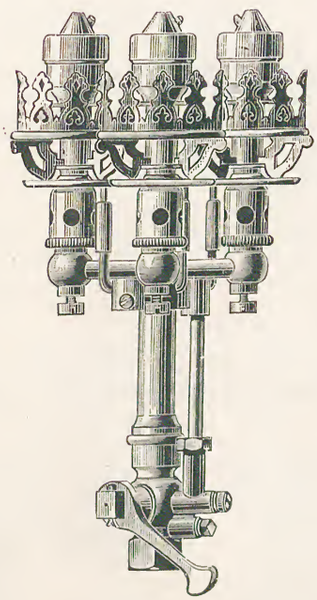


No. **5740**.—Flint Etched.
2/- each.

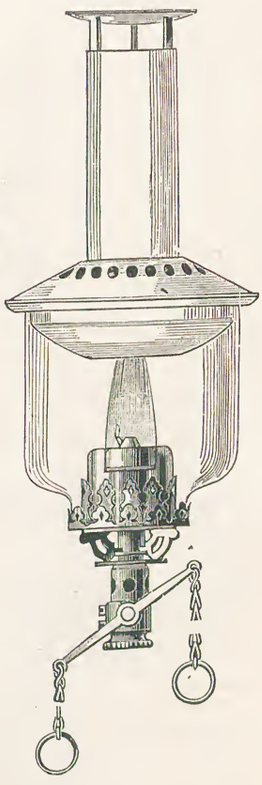
STREET LIGHTING



No. **5742**.



No. **5746**.



No. **5748**.

SWITCH CLUSTERS AND BURNERS.

No. **5741**.—Single "Kern" Burner, with Bye-pass Tap Governor, Glass Mantle Protector and Holder Welsbach Mantle and Rod.

	Sizes ..	2	3	4	
		11/6	**12/-**	**14/-**	each.
,,	**5742**.—Ditto, ditto, Two-Light Cluster,	**20/6**	**21/6**	**25/-**	,,
,,	**5743**.—Ditto, ditto, Three-Light Cluster,	**28/9**	**30/6**	**36/6**	,,
,,	**5744**.—Ditto, ditto, Four-Light Cluster,	**36/6**	**39/6**	**49/-**	,,

No. **5745**.—Two-Light Switch Cluster ("C" Switch), with No. 12a Burners, outside Bye-pass and Tube, one on and one off, or both on or off .. .. **22**/- each.

,, **5746**.—Three-Light ditto, Two Burners full on and one off, or all on or off .. **28**/- ,,

,, **5747**.—Four-Light ditto, ditto .. **34**/- ,,

No. **5748**.—"C" Bye-pass Burner, with Levers and Chains, Glass Bulb and Metal Reflector, Chimney and Welsbach Mantle .. .. .. **7/6** each.

,, **5749** - Ditto, ditto, with Governor .. **9/9** ,,

INCANDESCENT CHIMNEYS.



"JENA" CHIMNEYS.



No. 5750.
$1\frac{5}{16}$ Fitting.
Straight.
Sizes, 5 6 7 8 9 10 ins.
4/- **4/3 4/9 5/- 5/3 5/9** doz.

No. 5751.
Cheaper, Best Austrian Crystal.
Sizes, 6 8 9 ins.
2/3 2/6 4/- per dozen.

No. 5752.
"Gem."
$1\frac{1}{2}$ Fitting.
4/- per dozen.

No. 5753.
Austrian Crystal.
3/- per dozen.



No. 5754.
"Domestic,"
$6\frac{1}{2}$ ins. long × $2\frac{1}{4}$ Fitting.
Clear. Opalene.
5/- **7**/- per dozen.

No. 5755.
"Lateral Gem."
Clear **5**/- per dozen.



MICA CHIMNEYS.



No. 5756.
One Piece,
Superior Quality,
Mica, with Nickel Mounts.
Sizes, 6 8 9 10 ins.
11/6 16/- 18/- 24/- dozen.

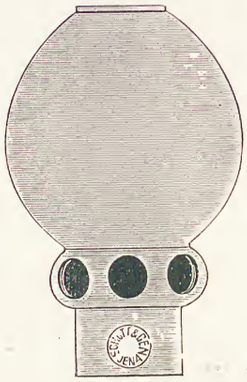
No. 5757.
One Piece.
$1\frac{1}{2}$ in. fitting,
for "Gem,"
10/6
Per dozen.

"JENA" PATENT BULBS AND COMBINATION GLOBES.

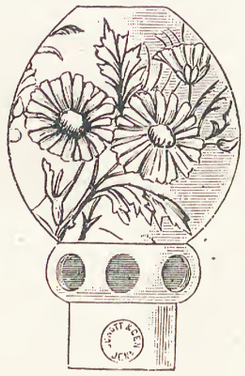
(In not less than half dozen Lots assorted.)



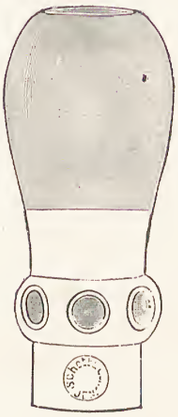
No. 5758.
Bulb, half obscured.
12/- per dozen.
Will suit any of the Screens shown below.



No. 5759.
Combination Opalene Globes,
11/6 per dozen.
Suitable for Screen No. 5762 below.



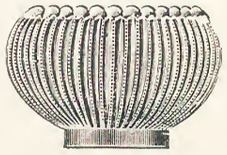
No. 5760.
Combination Opalene Painted Globe,
27/- per dozen.
Suitable for Screen No. 5762.



No. 5761.
Bulb half obscured.
9/- per dozen.
Will suit any of the Screens shown below.



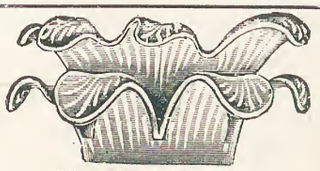
No. 5762. Screen.
Ruby Tinted. Plain Opal.
5/6 **5/6** dozen.
Suitable for Jena Combination Globes.



No. 5763. Screen.
Radial Screen, Crystal.
14/- per dozen.
For Bulbs and Globes above.



No. 5764. Screen.
Crystal Iced with clear Crystal Leaves,
19/- per dozen.
Ruby Iced with Crystal Leaves, **22**/- dozen.



No. 5765. Screen.
Canary Body and Salmon Leaves, or Rose Body and Crystal Leaves,
13/6 per dozen.

INCANDESCENT GAS GLOBES.

In not less than half dozen Lots assorted.

FOR WELSBACH "C" AND ORDINARY INCANDESCENT BURNERS.

The Heights of Globes are stated in order to indicate the length of chimney required to suit.



No. 5766.
6 ins.
Manography Rose, Old Gold, Yellow, Green or Blue shaded,
15/-
Per dozen.



No. 5767.
$5\frac{3}{4}$ ins
Etched, Rose, Yellow or Green shaded,
26/-
Per dozen.



No. 5768.
6 ins.
Manography Moulded, Rose, Yellow or Blue shaded.
25/-
Per dozen.



No. 5769.
6 ins.
White Sandblast.
8/-
Per dozen.

INCANDESCENT GAS GLOBES—*continued.* (In not less than Half-dozen lots assorted.)

FOR WELSBACH "C" AND ORDINARY INCANDESCENT BURNERS.

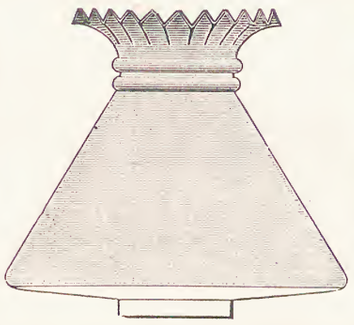
The Height of Globe is stated in order to indicate the length of Chimney required to suit.



No. **5770** 6¾ ins.
Best Opal.
11/- doz.



No. **5771**. 7 ins.
Salmon Opal Squat, **21**/- doz.
Best White Opal .. **12**/- „



No. **5772**. 6½ ins.
Opal and Flint.
30/- doz.



No. **5773**. 8 ins.
Crystal Manography.
14/- doz.



No. **5774**. 7 ins.
White Iced, **13**/- doz
Pink Iced, **15**/- „



No **5775**. 6¾ ins.
Crystal Manography.
21/6 doz.



No. **5776**. 7¼ ins.
Manography Moulded, Aurora Shaded.
30/- doz.



No. **5777**. 7 ins.
Crystal Etched and Moulded.
30/- doz.

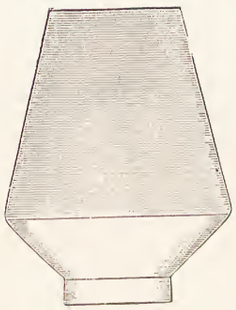


No. **5778**. 6½ ins.
Cut Opal.
36/- doz.

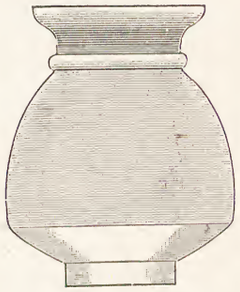
GLOBES FOR "KERN" INCANDESCENT BURNERS. (In not less than Half-dozen lots assorted.)



No. **5779**.
Crystal.
Sizes, 2 3 4 "Kern."
5/- **6/6** **8**/- doz.



No. **5780**.
Opal and Flint Squat.
Sizes, 1 2 3 4 "Kern."
10/- **11**/- **12**/- **22**/- doz.



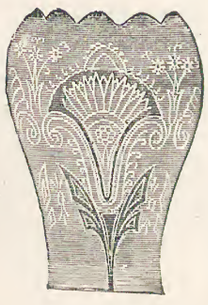
No. **5781**.
Opal and Flint "Paris."
Sizes, 2 3 "Kern."
12/- **14**/- doz.



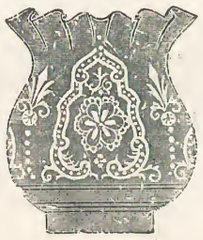
No. **5782**.
Crystal Manography.
For Sizes 2 & 3 "Kern."
16/- doz.
Yellow Shaded, **21**/- doz.



No. **5783**.
For Sizes 2 & 3 "Kern."
Crystal Manography,
21/6 doz.
Rose Shaded,
27/6 doz.



No. **5784**.
Size 1 "Kern."
Etched Crystal, **24**/- doz.
„ Salmon, **30**/- „



No. **5785**.
Size 2 "Kern."
White Etched.
25/6 doz.



No. **5786**.
Fine Etched Crystal.
28/- doz.



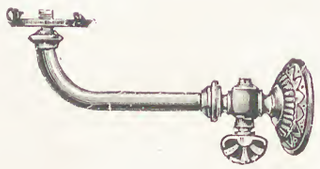
No. **5787**.
Sizes 2 and 3 "Kern."
Etched and Moulded Crystal.
26/- doz.



No. **5788**.
Sizes 2 and 3 "Kern."
Fine Etched Crystal.
45/- doz.

BRASS GAS BRACKETS.

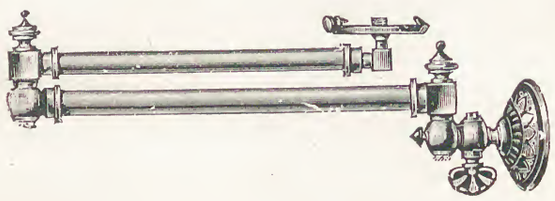
(POLISHED OR BRONZED.)



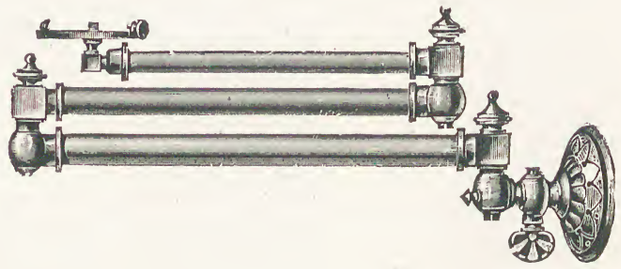
			Bronzed or Lacquered.	Polished.	
No. **5789.**	Plain	$\frac{3}{8}$ × 6 in.	**13/3**	—	per doz.
,, **5790.**	,,	$\frac{3}{8}$ × 9 ,,	**15/-**	—	,,
,, **5791.**	,,	$\frac{1}{2}$ × 6 ,,	**16/-**	—	,,
,, **5792**	,,	$\frac{1}{2}$ × 9 ,,	**18/3**	—	,,
,, **5793.**	As drawn	$\frac{1}{2}$ × 6½ ,,	**27/3**	**32/9**	,,
,, **5794.**	,,	$\frac{5}{8}$ × 8 ,,	**38/-**	**43/3**	,,



			Bronzed or Lacquered.	Polished.	
No. **5795.**	Plain	$\frac{3}{8}$ × 12 in.	**19/3**	—	per doz.
,, **5796.**	,,	$\frac{1}{2}$ × 12 ,,	**26/-**	—	,,
,, **5797.**	As drawn	$\frac{1}{2}$ × 12 ,,	**40/6**	**46/6**	,,
,, **5798.**	,,	$\frac{5}{8}$ × 14 ,,	**51/3**	**58/-**	,,

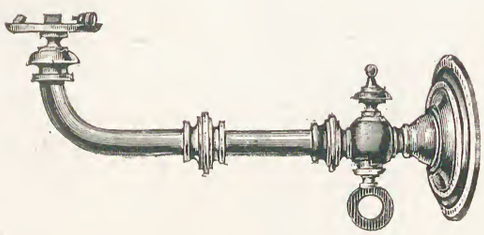


			Bronzed or Lacquered.	Polished.	
No. **5799.**	Plain	$\frac{1}{2}$ × $\frac{3}{8}$ × 24 in.	**40/-**	—	per doz.
,, **5800.**	,,	$\frac{5}{8}$ × $\frac{1}{2}$ × 24 ,,	**53/4**	—	,,
,, **5801.**	As drawn	$\frac{1}{2}$ × $\frac{3}{8}$ × 24 ,,	**57/3**	**65/3**	,,
,, **5802**	,,	$\frac{5}{8}$ × $\frac{1}{2}$ × 24 ,,	**73/3**	**85/3**	,,

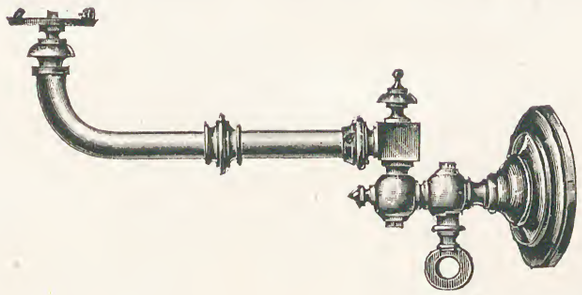


			Bronzed or Lacquered.	Polished.	
No. **5803.**	Plain	$\frac{5}{8}$ × $\frac{1}{2}$ × $\frac{3}{8}$ × 36 in.	**77/3**	—	per doz.
,, **5804**	As drawn	$\frac{3}{4}$ × $\frac{5}{8}$ × $\frac{1}{2}$ × 36 ,,	**120/-**	**138/-**	,,

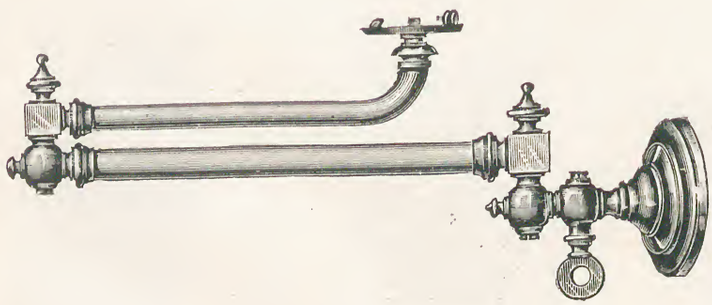
HEAVY PATTERNS.



			Bronzed.	Polished.	
No. **5805.**	Plain	$\frac{1}{2}$ × 8 in.	**32/-**	**36/-**	per doz.
,, **5806.**	As drawn	$\frac{5}{8}$ × 9 ,,	**60/-**	**60/-**	,,
,, **5807.**	,,	$\frac{3}{4}$ × 10 ,,	**76/-**	**76/-**	,,

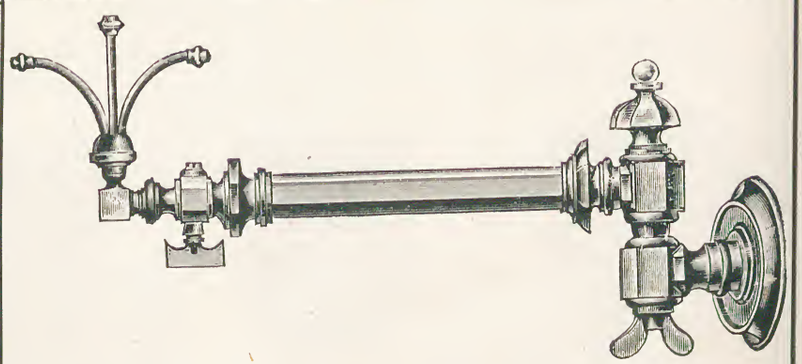


		Bronzed or Polished.	
No. **5808.**	$\frac{1}{2}$ × 9 in.	**57/3**	per doz.
,, **5809.**	$\frac{5}{8}$ × 12 ,,	**76/-**	,,
,, **5810.**	$\frac{3}{4}$ × 12 ,,	**96/-**	,,



Bronzed or Polished.

No. **5811.**	$\frac{5}{8}$ × $\frac{1}{2}$ × 24 in.	**8/9**	each.
,, **5812.**	$\frac{3}{4}$ × $\frac{5}{8}$ × 24 ,,	**10/9**	,,



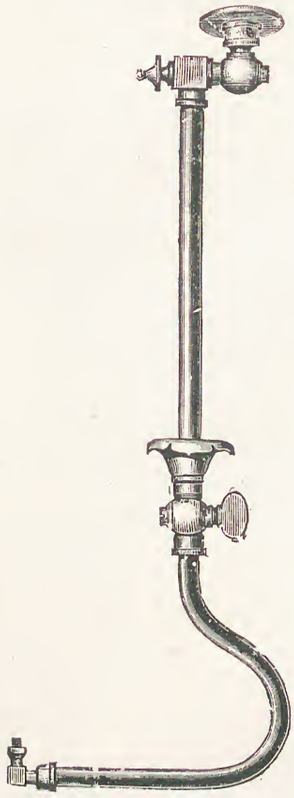
BUTCHERS' BRACKET.

Bronzed, Polished or Lacquered.

No. **5813**	Single, as drawn	1 × 18 in.	**30/-**	each.
,, **5814.**	Double Swing	1 × ¾ × 32 ,,	**42/9**	,,

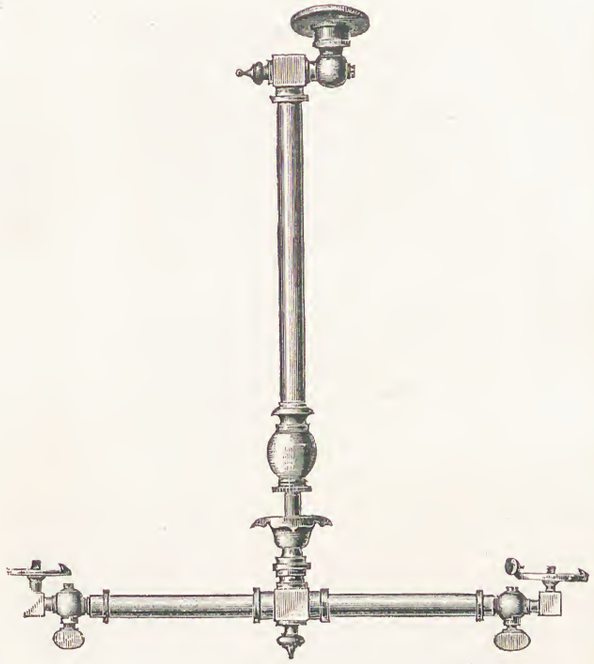
SWING, TEE AND SLIDING GAS PENDANTS, &c.

BRONZED, LACQUERED, OR POLISHED BRASS.



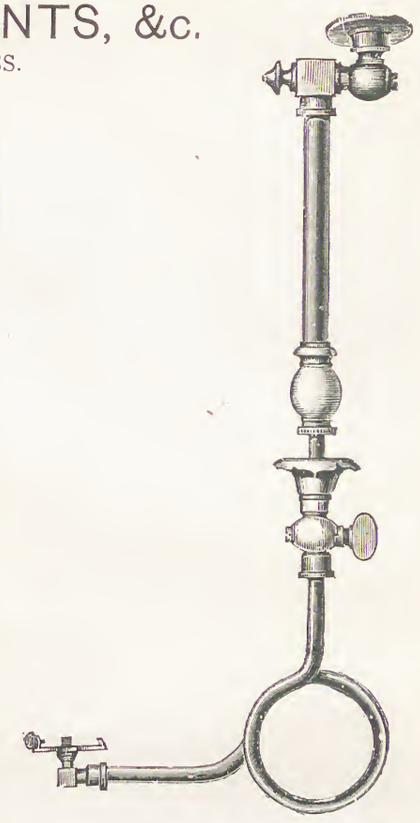
No. **5815.**—Swing Top Pendant, Bronzed or Lacquered.

	$\frac{3}{8} \times \frac{3}{8}$	$\frac{5}{8} \times \frac{1}{2}$ in.
30 to 36 ...	**48**/- ...	**56**/- per doz.
37 to 42 ...	**50**/9 ...	**59**/3 ,,
43 to 48 ...	**53**/3 ...	**63**/9 ,,



No. **5816.**—Two-Light Slide Tee Pendant, Bronzed or Lacquered.

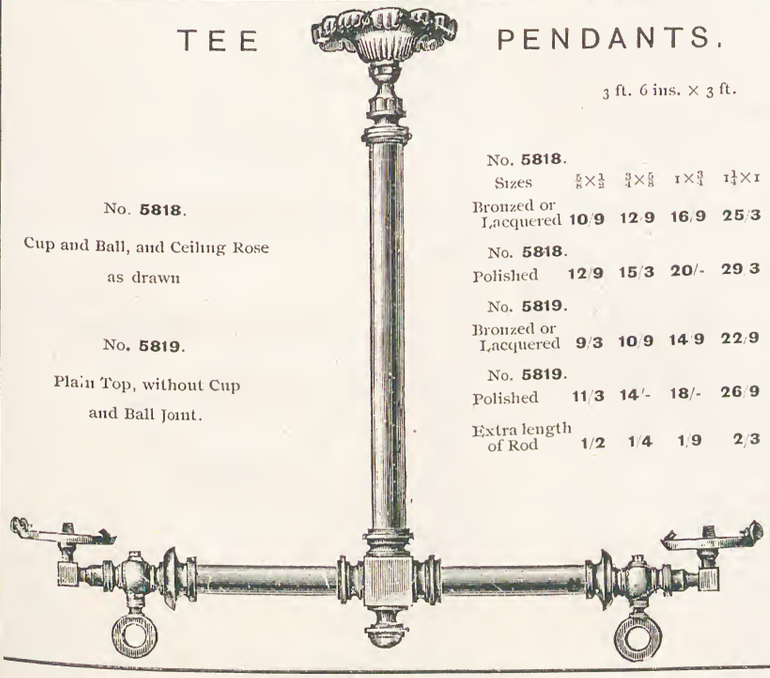
	3 ft. 6 in. × 3 ft.	4 ft. × 3 ft.	5 ft. × 3 ft.
$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	... **9**/3	... **9**/9	... **10**/9 each.
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	... **11**/9	... **12**/3	... **13**/9 ,,
$1 \times 1 \times 1$	... **18**/-	... **20**/-	... **24**/- ,,



No. **5817.**—Slide Pendant, Heavy Pattern, Bronzed or Lacquered.

	$\frac{5}{8} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{3}{8} \times \frac{7}{16}$ in.
30 to 36 ...	**60**/- ...	**85**/3 per doz.
37 to 42 ...	**63**/3 ...	**90**/- ,,
43 to 48 ...	**66**/9 ...	**94**/9 ,,

TEE PENDANTS.



No. **5818.**

Cup and Ball, and Ceiling Rose as drawn

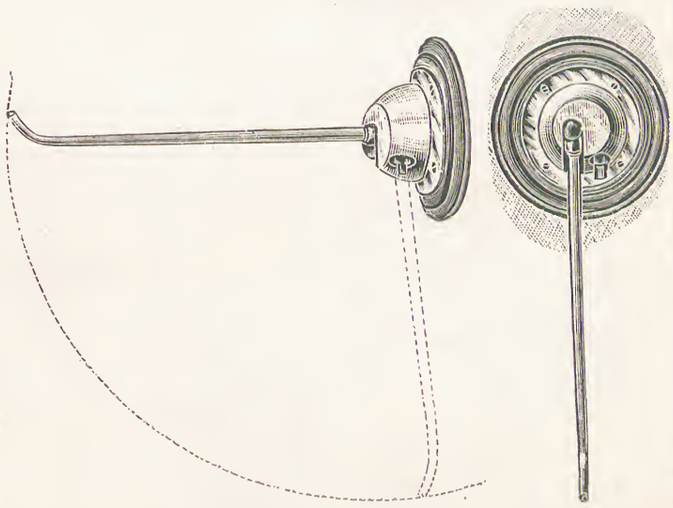
No. **5819.**

Plain Top, without Cup and Ball Joint.

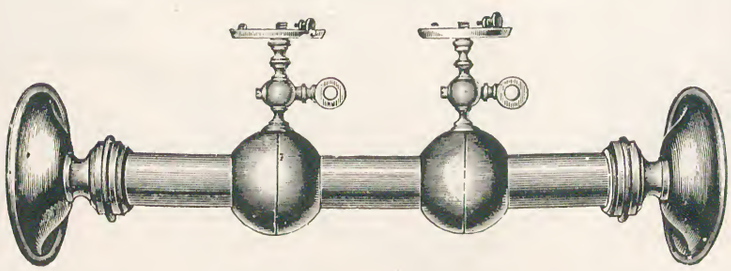
3 ft. 6 ins. × 3 ft.

	Sizes	$\frac{5}{8} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{5}{8}$	$1 \times \frac{3}{4}$	$1\frac{1}{4} \times 1$	$1\frac{1}{2} \times 1\frac{1}{4}$ in.	
No. **5818.**	Bronzed or Lacquered	**10**/9	**12**/9	**16**/9	**25**/3	**34**/9	each.
No. **5818.**	Polished	**12**/9	**15**/3	**20**/-	**29**/3	**40**/-	,,
No. **5819.**	Bronzed or Lacquered	**9**/3	**10**/9	**14**/9	**22**/9	**32**/-	,,
No. **5819.**	Polished	**11**/3	**14**/-	**18**/-	**26**/9	**37**/3	,,
	Extra length of Rod	**1**/2	**1**/4	**1**/9	**2**/3	**3**/-	per ft.

No. 5820. GAS BRACKET.



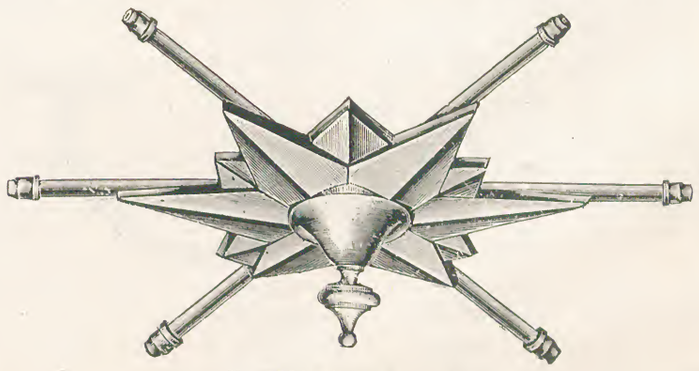
With Falling Arm and Loose Key.
Made specially to meet the requirements of the Lunacy Commissioners.
Polished Brass, with Mahogany Block, **12**/6 each.



JAMB RAILS, Polished Brass.

No. **5821.**—$1\frac{1}{2}$ in. Rail, Two Bodies, 5 ft. long, Bronzed or Polished ... **64**/- each.
Extra Body and Cock ... ... **12**/- ,,
Extra length of Rail ... ... **3**/- per ft.

No. **5822.**—2 in. Rail, Two Bodies, 5 ft. long, Bronzed or Polished ... **85**/3 each.
Extra Body and Cock ... ... **15**/3 ,,
Extra length of Rail ... ... **4**/3 per ft.

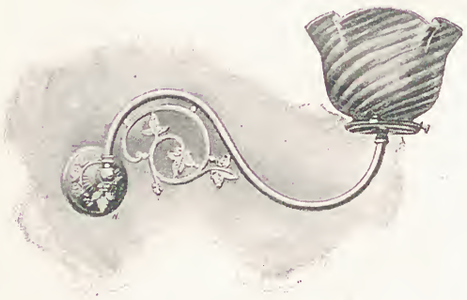


No. **5823.**—**"STAR" LIGHT.**
Cock at Bottom. 20 ins. across.

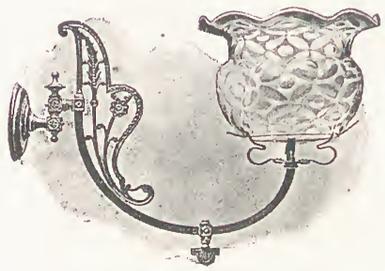
	3	5	6	8 light.
Bronzed	**10**/-	**10**/9	**11**/3	**14**/9 each
Polished	**11**/-	**11**/9	**12**/9	**16**/9 ,,

BRASS GAS BRACKETS (POLISHED AND ORMOLU.)

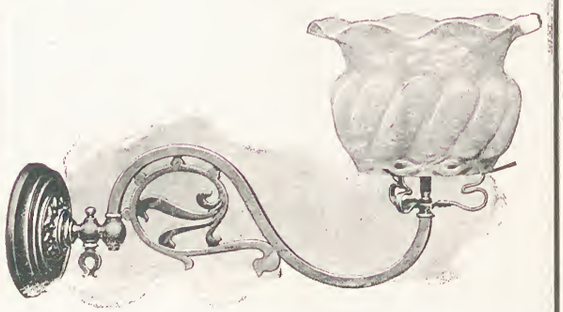
(PRICES DO NOT INCLUDE GLOBES, HOLDERS, OR BURNERS.)



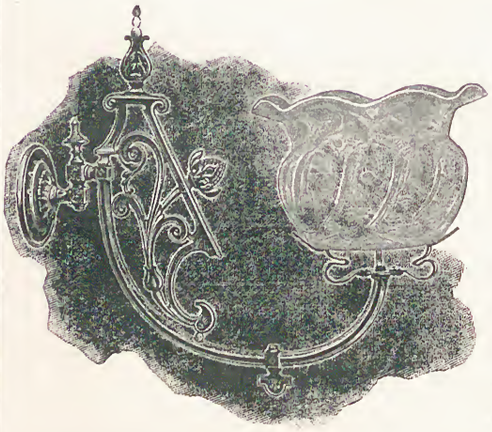
No. **5824**.
⅜ in. Tube. Brass, Bright.
4/- each.



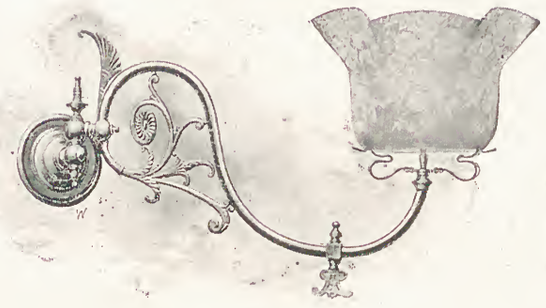
No. **5825**. Registered Design.
⅜ in. Square Tube. Polished Brass.
7/9 each.



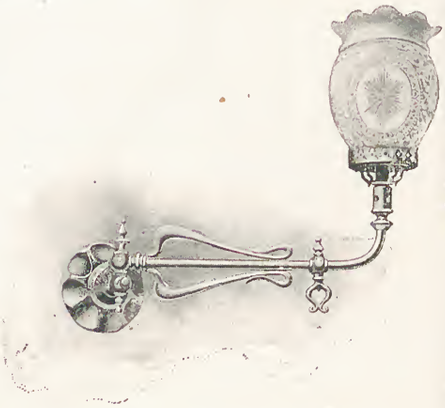
No. **5826**. Registered Design.
⅜ in. Square Tube.
Polished Brass or Ormolu finish.
8/- each.



No. **5827**. Registered Design.
Diamond Shape Tube. Polished Brass.
9/3 each.



No. **5828**.
$\frac{7}{16}$ in. Tube. Polished Brass.
9/3 each.



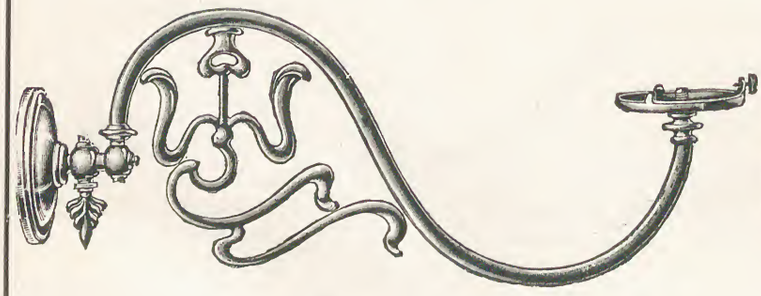
No. **5829**. Registered Design.
$\frac{7}{16}$ in. Tube.
Polished Brass or Ormolu finish.
13/3 each.



No. **5830**. Polished Brass.
Price .. **4**/- each.



No. **5831**. Polished Brass.
Price .. **5**/- each.



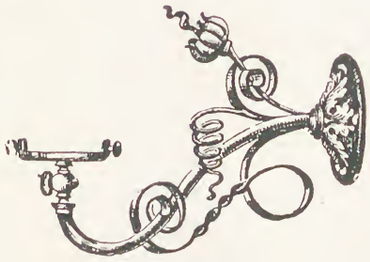
No. **5832**. Polished Brass.
Price .. **6**/- each.



No. **5833**. $\frac{7}{16}$ in. Tube.
Bronzed Polished Brass.
Price .. **7/9** **8/6** each.

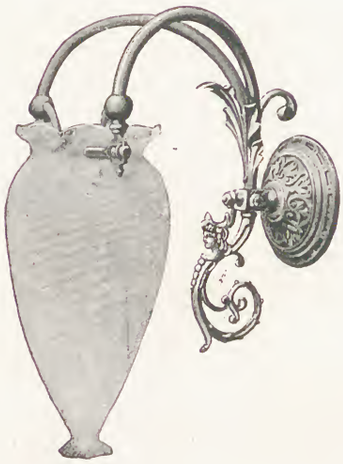
PATENT "SIMPLICITAS" GAS BRACKETS.

(LATEST DESIGNS.)



No. **5834**.
Arm, ⅜ in.; Projection, 10 in.

Polished Brass and Copper	**14/3** each.
Wrought Iron and Copper	**9/-** „



No. **5836.** "Simplicitas" Fitting.
Arm, ⅜ in.; Projection, 8 in.

Bronzed	Polished.
18/-	**19/9** each.



No. **5835.**
Arm, ½ in.; Projection, 14½ in.

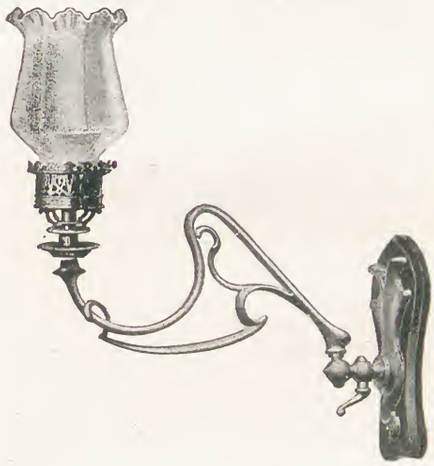
Bronzed	**7/-** each.
Polished	**7/9** „



No. **5837.**
Arm, ½ × 1⅝ in.; Centre to Light, 12 in.

Polished.	Antique Brass.
19/6	**20/3** each.

With Block.



No. **5838.**
Arm, ½ in. Oval; Centre to Light, 12 in.

Polished.	Antique Brass.
18/6	**19/6** each.

With Block.



No. **5840.** "Simplicitas" Fitting.
Oval Tube, ½ in.; Centre to Light, 13½ in.

Bronzed.	Polished.	Antique Brass.
27/-	**30/9**	**32/3** each.

With Block.



No. **5839.**
Two-Light "Ormolu." With Block.
Price 28/6 each.
Drawn one-sixth full size.



No. **5841.** "Simplicitas" Fitting.
Oval Tube, ½ in.; Centre to Light, 12½ in.

Bronzed.	Polished.	Antique Brass.
29/-	**34/-**	**35/3** each.

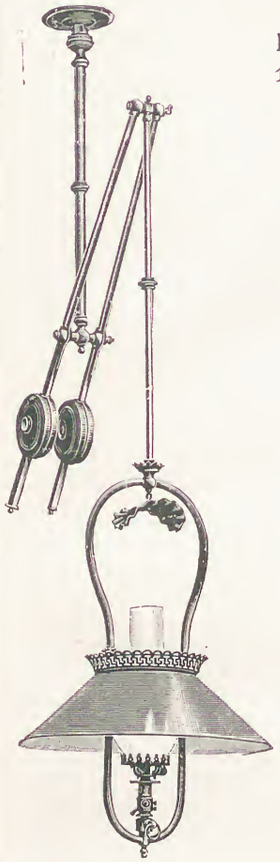
With Block.

BURNERS AND GLOBES CHARGED EXTRA.

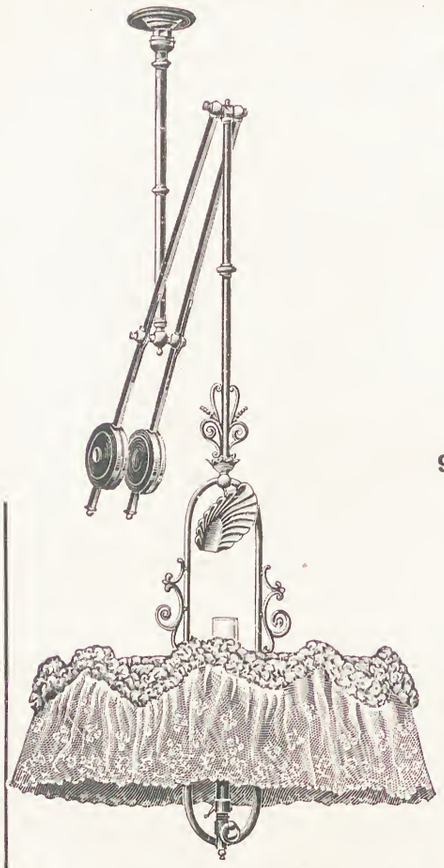
ONE AND TWO-LIGHT PATENT "SURPRISE" GAS PENDANTS.

Dimensions of all 1-Light Pendants
Length when pushed up, **4ft.**
Length with Arm at right angles to Rod, **5ft. 3in.**
Length when drawn down, **6ft. 6in.**
Radius of Arm, **15in.**

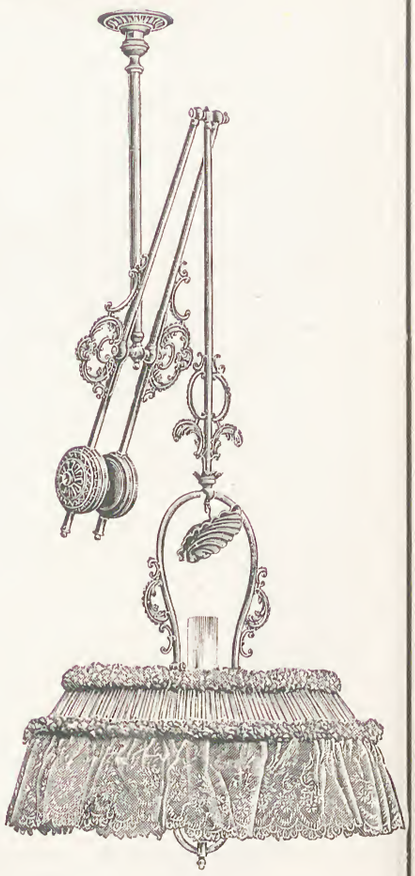
Stock Pendants can be shortened to 3ft. 8in. if required. Specially short Pendants, ranging from 2ft. 11in. to 3ft. 7in. when closed are supplied for rooms below 9ft. 6in. in height.



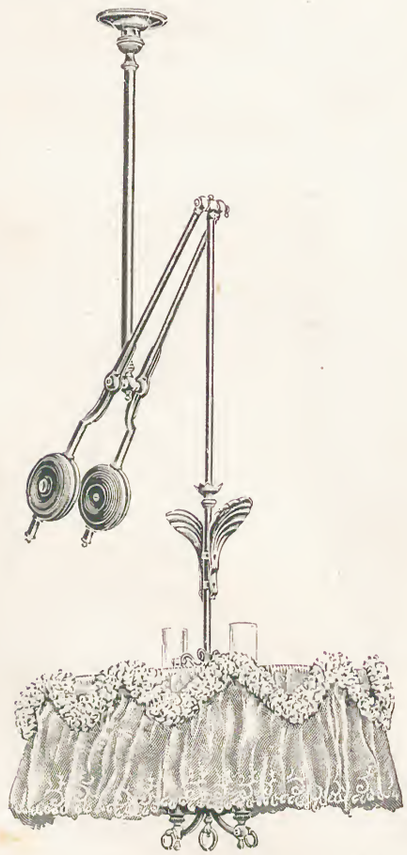
No. **5842.** Bronzed. Polished Brass.
Pendant .. .. **47/6** **60/-** each.
15½ in. Metal Shade, No. **5843** (green outside and white inside) **5/-** extra.



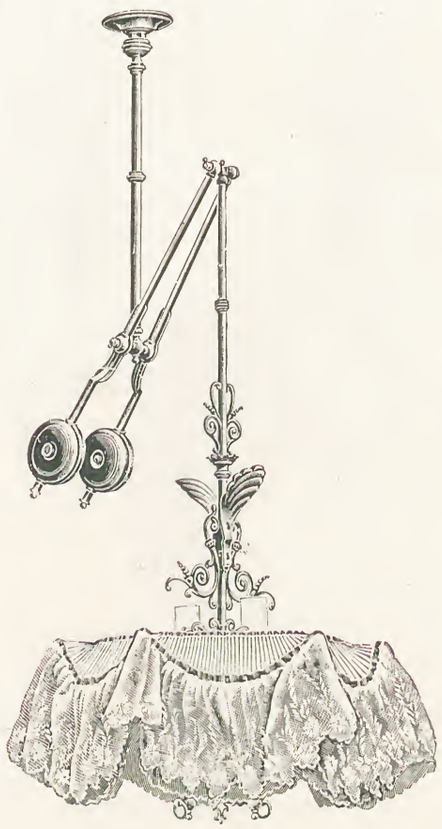
No. **5844.** Bronzed. Polished Brass.
Pendant .. .. **52/6** **68/-** each.
19 in. Cotton and Lace Shade, No. **5845** (patent) **20/6** extra.



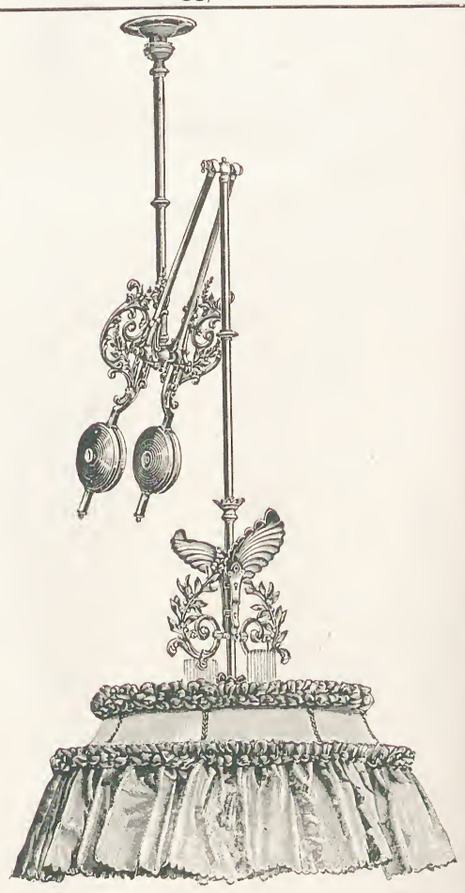
No. **5846** Bronzed. Polished Brass
Pendant .. .. **64/-** **72/-** each.
19in. Florentine Silk and Lace Shade, No. **5847** **33/-** extra.



No. **5848.** Bronzed. Polished Brass.
2-Light Pendant .. .. **60/-** **70/-** each.
19 in. Cotton and Lace Shade, No. **5845** (patent) **20/6** extra.



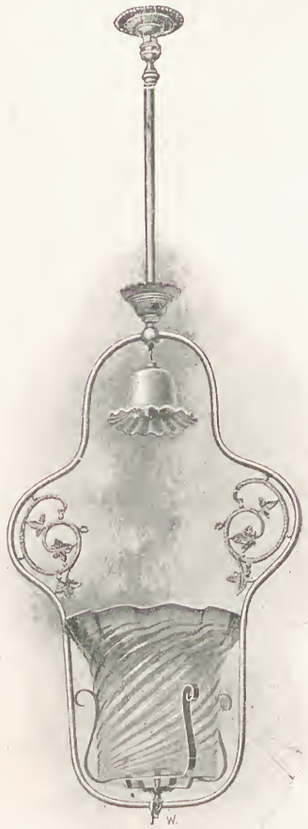
No. **5849.** Bronzed. Polished Brass.
2-Light Pendant .. .. **69/-** **80/-** each.
19 in. Florentine Silk and Lace Shade, No. **5850** (patent) **35/-** extra.



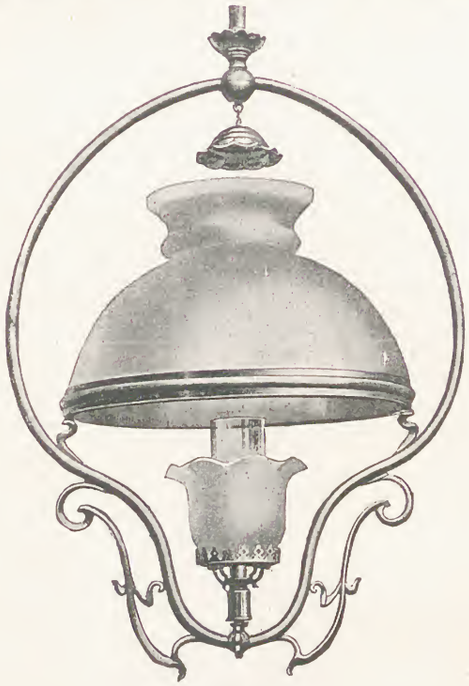
No. **5851.** Bronzed. Polished Brass.
2-Light Pendant .. .. **80/-** **88/-** each.
19 in. Florentine Silk and Lace Shade, No. **5852** (patent) **37/-** extra.

PRICES ARE EXCLUSIVE OF BURNERS OR CHIMNEYS.

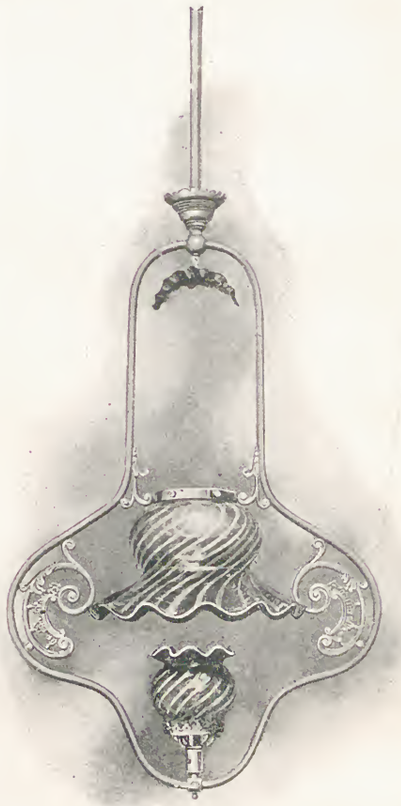
ONE LIGHT GAS PENDANTS.



No. **5853.**
$\frac{1}{2}$ and $\frac{3}{8}$ in. Tubes, 4 ft. long.
Ruby and Clear or Straw Opalescent Cylinder.
Polished Brass, **20**/- each.



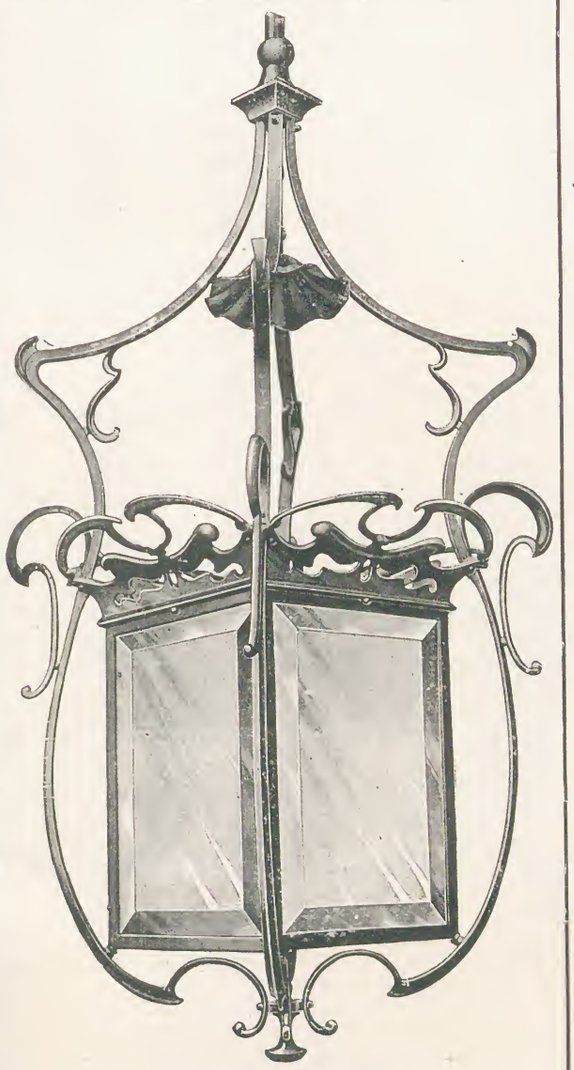
No. **5854.**
$\frac{5}{8}$ and $\frac{7}{16}$ in. Tubes, 12 in. Shade Ring.
Opal Reflector, Eye Screen.
Polished Brass, **18**/**6** each. Burner extra.



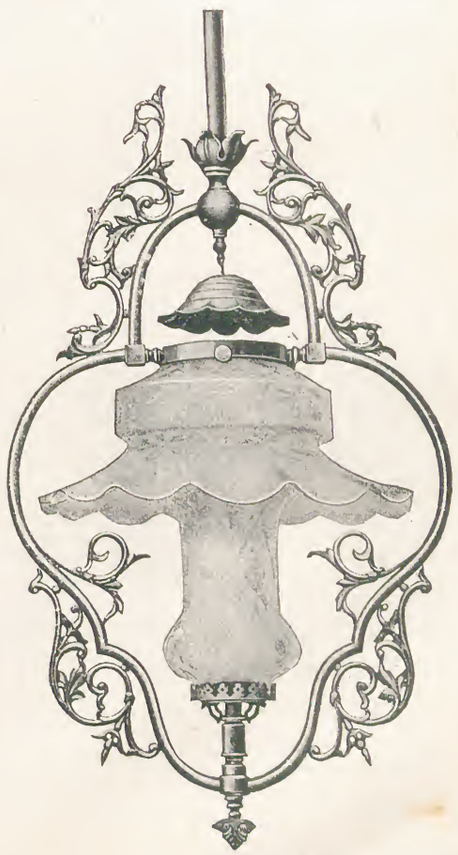
No. **5855.** Registered Design.
$\frac{5}{8}$ and $\frac{3}{8}$ in. Tubes, 4 ft. long.
Ruby and Clear Glass, or Aurora and Clear Glass, or Straw Opalescent Pink, Shaded Glass.
Polished Brass, **22**/- each, Burner extra.



No. **5856.**
Down Rod $\frac{5}{8}$ in., Stretchers $\frac{1}{2}$ in. Oval.
Best English Glass Shade, Etched Ruby Shaded Satin Finish.
Polished Brass, **60**/- each.



No. **5857.** Hall Light.
Down Rod $\frac{3}{4}$ in., Stretchers $\frac{1}{2}\times\frac{1}{16}$ in. 10 inch, Polished Brass with Bevelled Plates, **177**/**6** each.
If Antique Brass, **185**/- each.



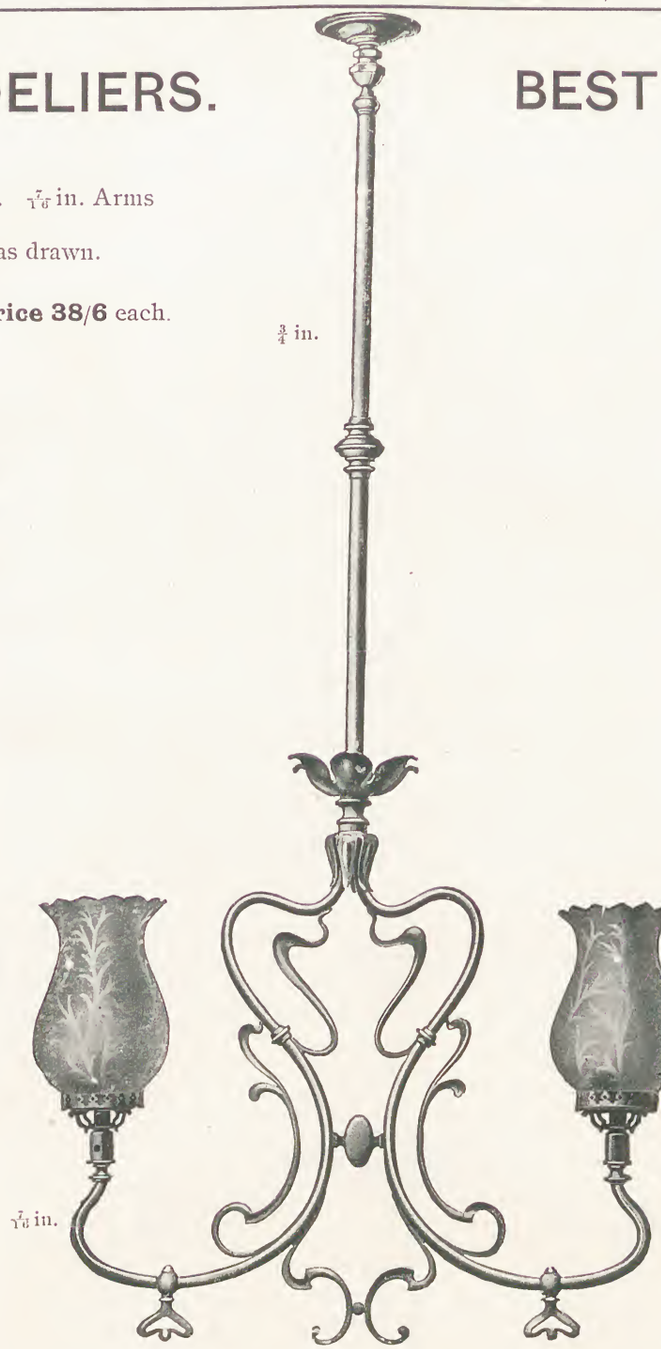
No. **5858.**
13in. Flint Shaded Aurora or Rose, Bright Decoration, Reflector and Eye Screen.
Polished Brass, **40**/- each, Burner extra.

GAS CHANDELIERS. BEST QUALITY.

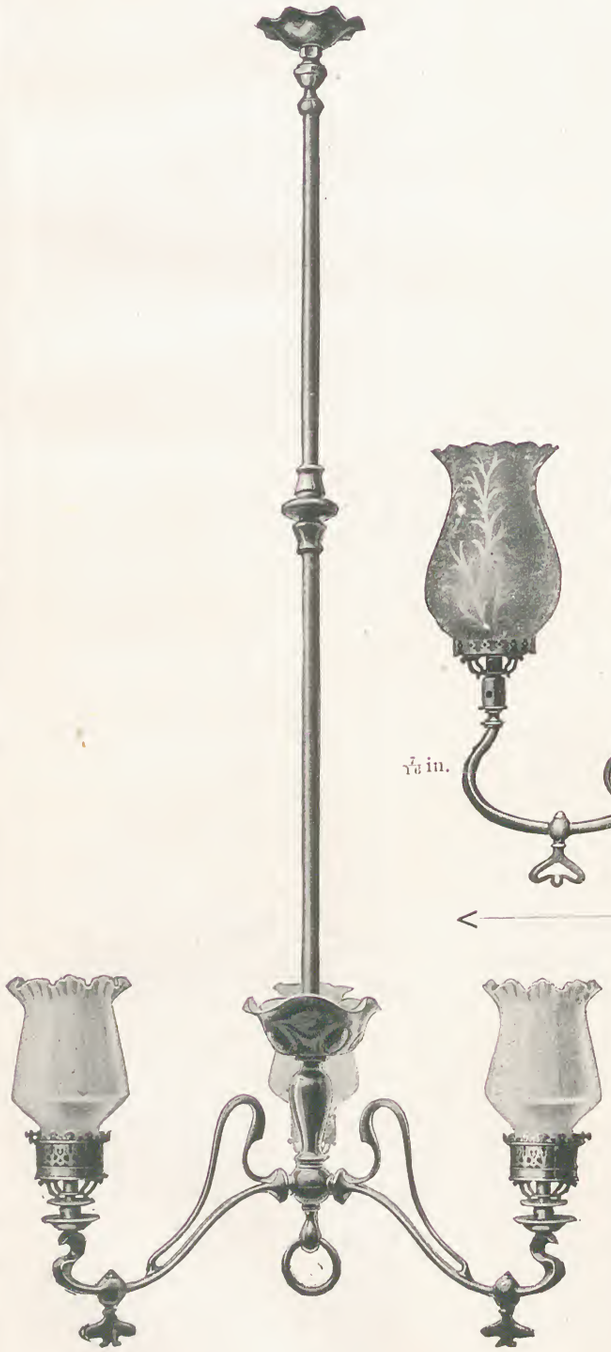
No. **5859.** ¾ in. Down Rod. $1\frac{7}{8}$ in. Arms

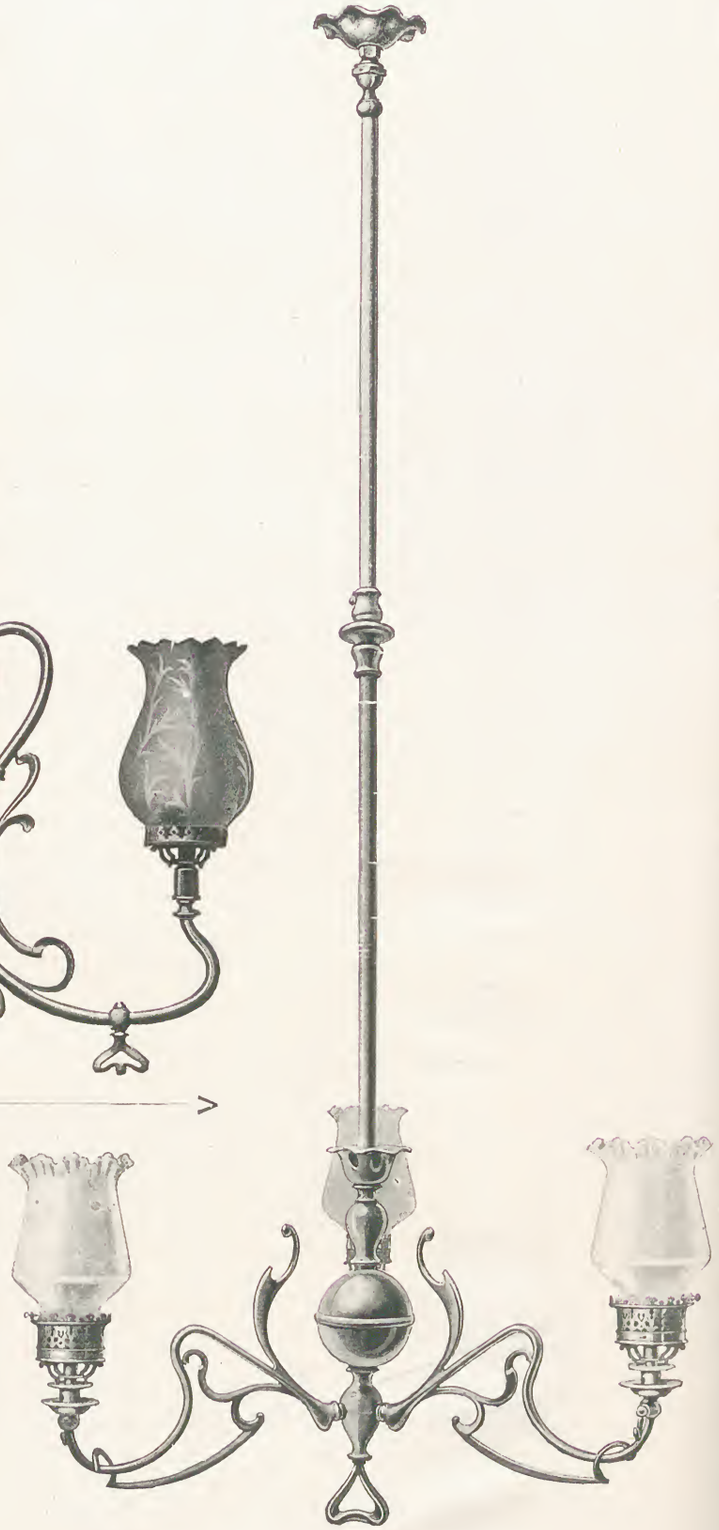
18 ins. Light to Light, as drawn.

Two-light, Polished Brass. **Price 38/6** each.



No. **5859.**





No **5860.** Down Rod ¾ in. Arms ½ in. Oval. Centre to Light 10 ins.	Bronzed	Polished.	Antique Brass.
Two-light	**43/3**	**46/6**	**49/-** each.
Three-light	**53/9**	**58/9**	**61/6** ,,
No. **5861.** With Water Slide—			
Two-light	**51/9**	**55/-**	**58/3** each.
Three-light	**64/9**	**70/3**	**74/9** ,,

No. **5862.** Down Rod ¾ in. Arms ½ in. Oval. Centre to Light 11 ins.	Bronzed	Polished.	Antique Brass.
Two-light	**47/3**	**52/9**	**55/6** each.
Three-light	**59/6**	**66/-**	**68/9** ,,
No. **5863.** With Water Slide—			
Two-light	**56/-**	**62/-**	**66/6** each.
Three-light	**72/-**	**78/9**	**82/6** ,,

BURNERS AND GLOBES CHARGED EXTRA.

GAS CHANDELIERS, "SIMPLICITAS" FITTINGS.

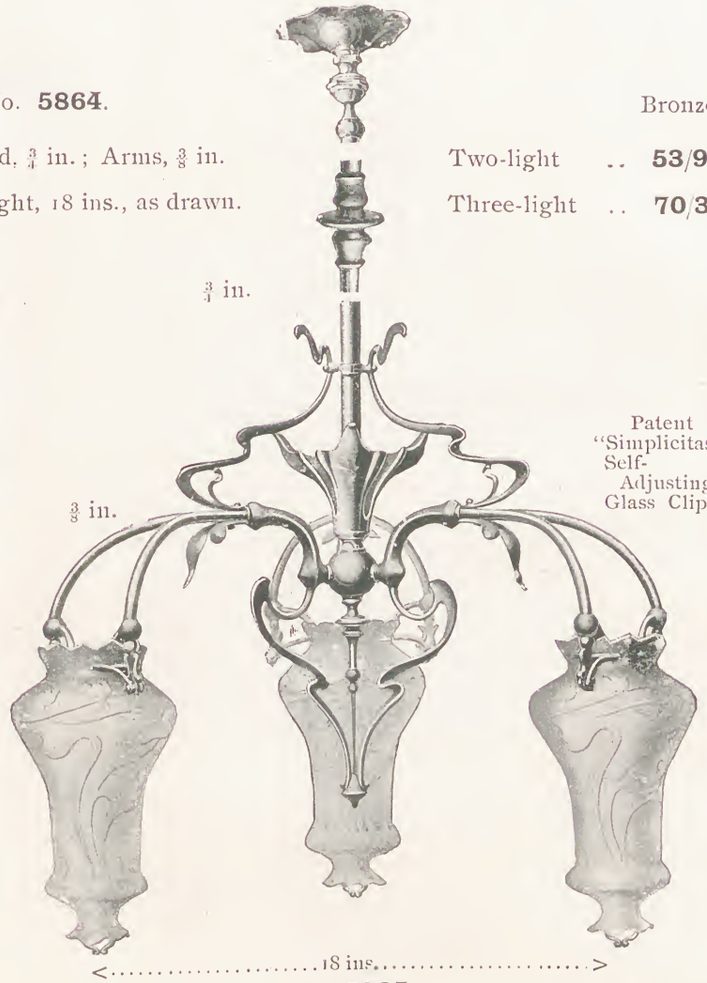
BEST QUALITY.

No. **5864.**

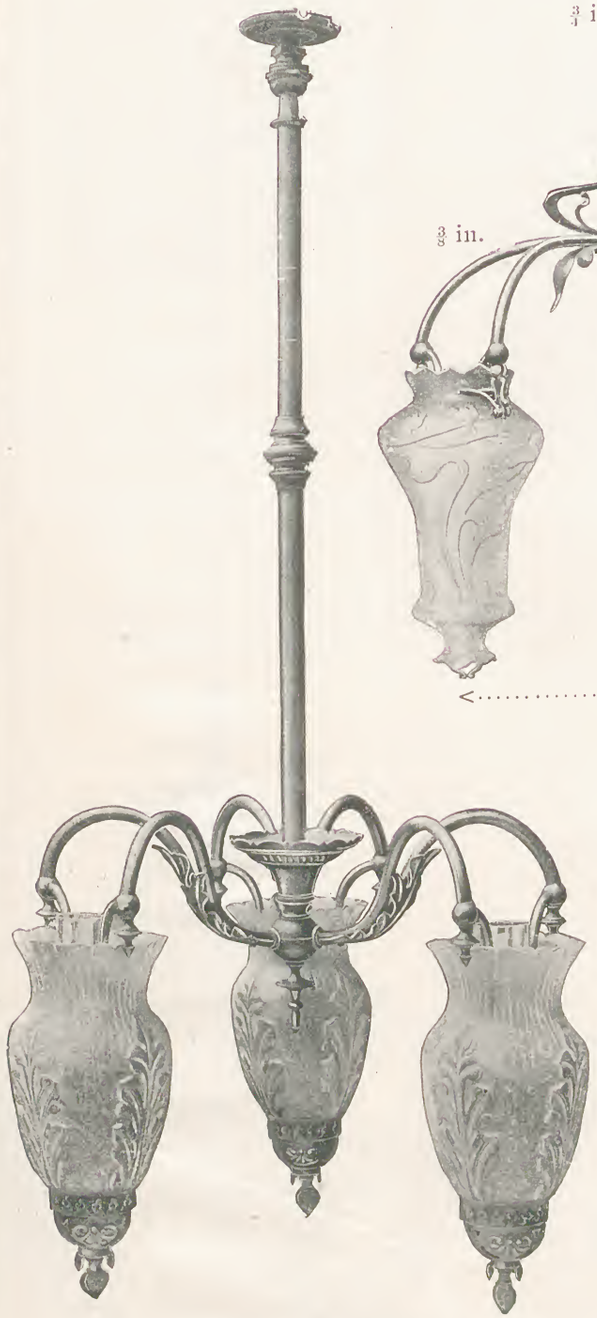
Down Rod, $\frac{3}{4}$ in.; Arms, $\frac{3}{8}$ in.

Light to Light, 18 ins., as drawn.

	Bronzed.	Polished.	Antique Brass.
Two-light ..	**53/9**	**61/-**	**63/9** each.
Three-light ..	**70/3**	**79/9**	**83/-** „



No. **5864.**

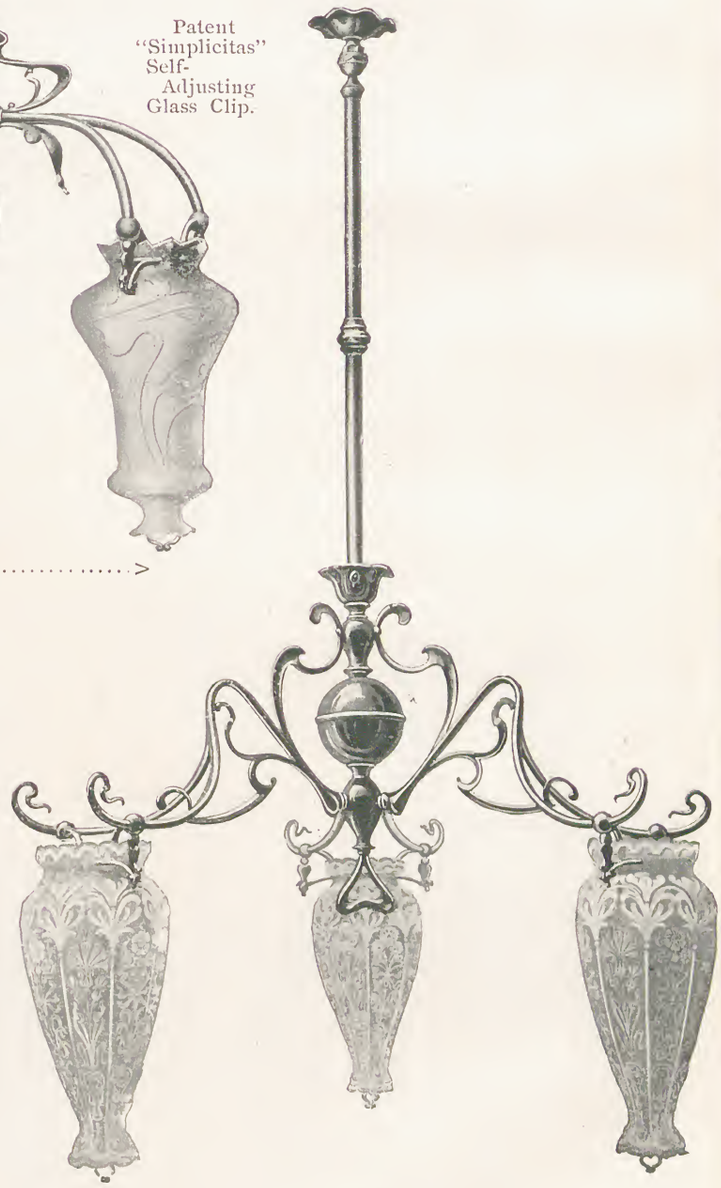


No. **5865.**

Down Rod $\frac{11}{16}$ in.

Arms, $\frac{7}{16}$ in.; Centre to Light, $7\frac{1}{2}$ in.

	Bronzed	Polished.	Antique Brass.
Two-light	**38/6**	**41/9**	**44/-** each.
Three-light	**51/9**	**56/-**	**59/-** „



No. **5866.**

Down Rod, $\frac{3}{4}$ in.

Arms, $\frac{1}{2}$ in., Oval; Centre to Light, 12 ins.

	Bronzed.	Polished.	Antique Brass.
Two-light	**58/3**	**64/9**	**68/3** each.
Three light	**76/6**	**84/-**	**89/-** „

BURNERS AND GLOBES CHARGED EXTRA.

YARD AND STREET LAMPS.

BACK LAMP.

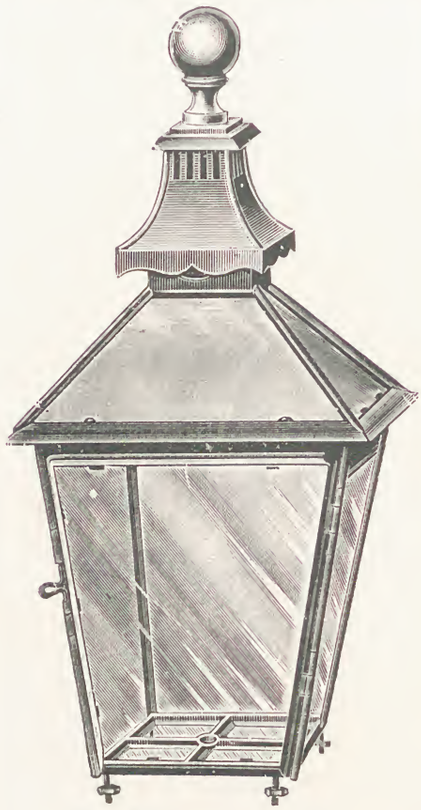


No. 5867.

Ordinary Back Lamp. For Gas.

Sizes	12	14	16	18	20	inch.
Tin	**11/6**	**12/6**	**15/6**	**21/-**	**28/-**	each.
Copper	**29/-**	**31/-**	**37/-**	**50/-**	**64/-**	,,

STREET LAMP.



No. 5868. Ordinary.

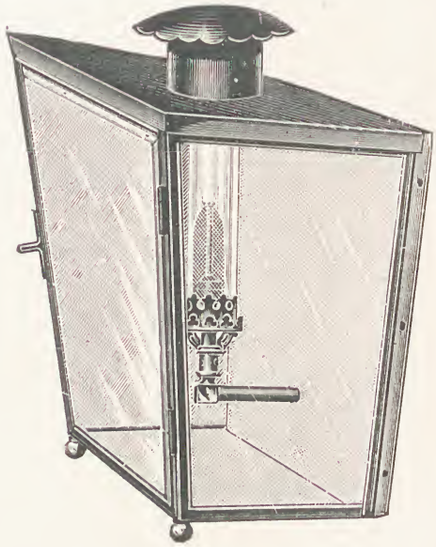
14 inches × 33 inches overall .. **14/3** each.
15 inches × 34 inches overall .. **16/3** ,,

Extra for Copper throughout.

14 inches.. .. .. **12/3** each.
15 inches.. .. .. **13/9** ,,

Opal Tops, **1/9** extra.
Any size and shape made to order.

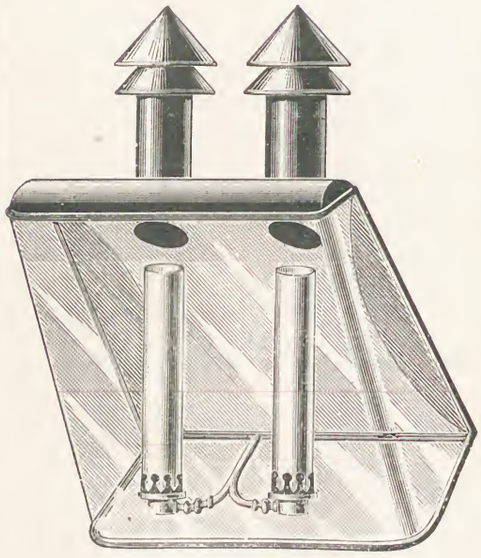
BACK LAMP.



No. 5869.

Incandescent Back Lamp. For Gas.
14 inches wide × 16 inches high, with Special Wind-proof Head for "C" Burner.
(Without Fittings) **18/-** each.
Ditto, in Copper throughout, **40/-** each.

REFLECTOR LAMP.



No. 5870.

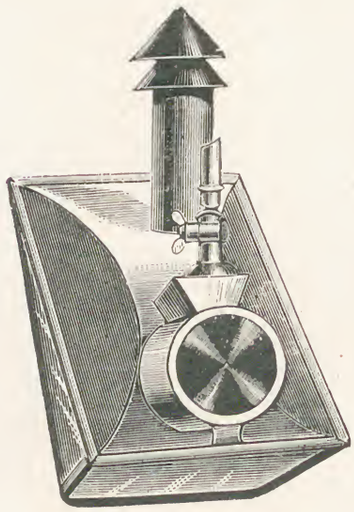
Bent Front Reflector. Fitted as shown, with Silver Back.

14×12 inch Single Chimney.. **43/-** each.
16×14 ,, ,, ,, .. **49/3** ,,
18×16 ,, Double ,, .. **65/6** ,,

If Copper throughout,

14	16	18 inch.
14/9	**17/-**	**21/-** each extra.

REFLECTOR LAMP.



No. 5871.

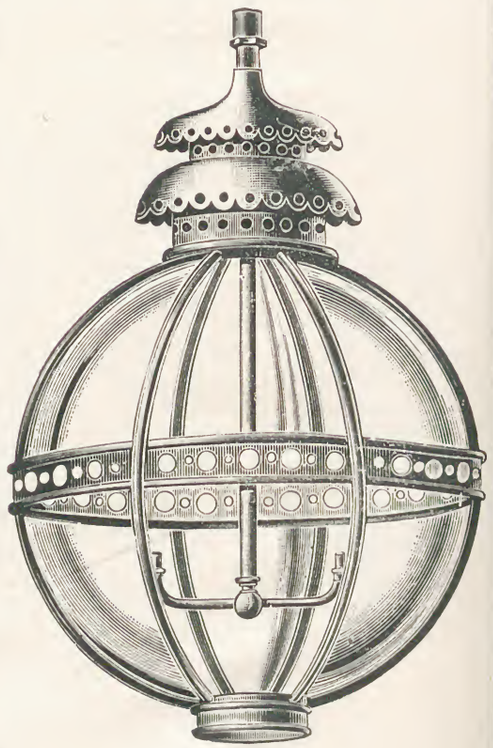
Bent Front Reflector.
Fitted complete as shown, with Ruby Lens and Silver Back.

14×12 inch Single Chimney.. **46/-** each.
16×14 ,, ,, ,, .. **52/3** ,,
18×26 ,, Double ,, .. **67/-** ,,

If Copper throughout,

14	16	18 inch.
14/9	**17/-**	**21/-** each extra.

GLOBE LAMP.



No. 5872.

Plain Globe Lamp. Fitted complete as shown.

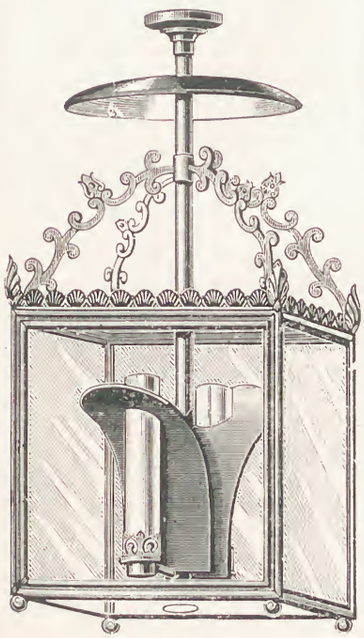
16 inches × 26 inches overall .. **39/-** each.
20 inches × 32 inches overall .. **56/6** ,,
24 inches × 36 inches overall .. **72/6** ,,

If Copper throughout.

16 ins. **14/9** 20 ins. **19/9** 24 ins. **24/9** each extra.

OUTSIDE SHOP LAMPS.

SQUARE LOBBY LAMP.



No. 5873.

Fitted as shown, and ornamented with English Gold Leaf.

12×27 ins. overall, **44**/- each.
14×30 „ „ **48**/- „
16×33 „ „ **52/9** „

ARC LAMP.



No. 5876.

Balloon Shaped Detachable Globe, Outside Byepass arrangements with Chains as shown, to take "C" Switch, Fig. 12a Burners, Balloon is Opal and Flint diagonally.
15×32 ins. overall, **78/3** each.
Opal part Lettered **16/6** extra.
Burners and Chimneys extra.

FOUR-SIDED ADVERTISING LAMP.

For Incandescent Light.



No. 5874. 27×36 ins. overall.
Price 72/6 each.

LETTERING EXTRA.

Extra if Copper throughout, **15/9** each.
Burners and Chimneys extra.

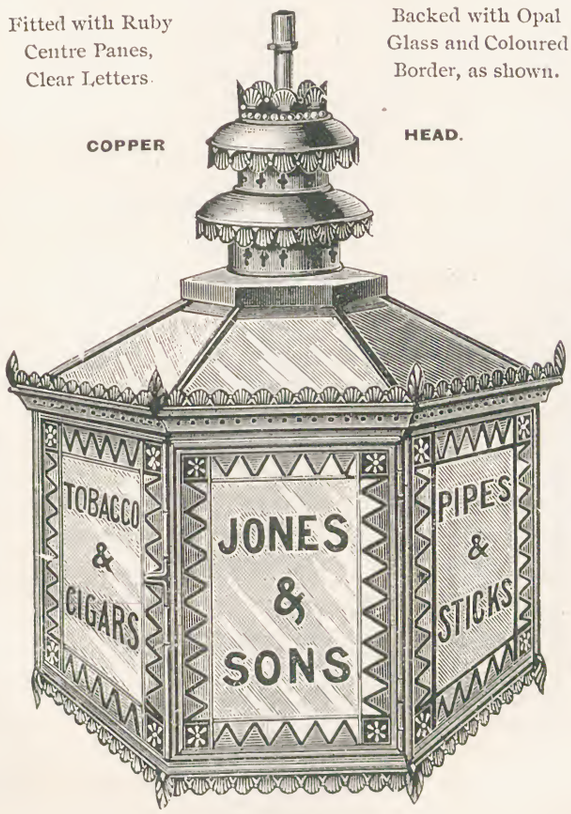
This Lamp has been got out expressly for the Incandescent Light, and is the Cheapest Lamp on the Market. When fitted with One Incandescent Burner it throws a brilliant light on a window and forms an attractive Advertisement both by day and night.

FIVE-SIDED ADVERTISING LAMP.

Fitted with Ruby Centre Panes, Clear Letters.

Backed with Opal Glass and Coloured Border, as shown.

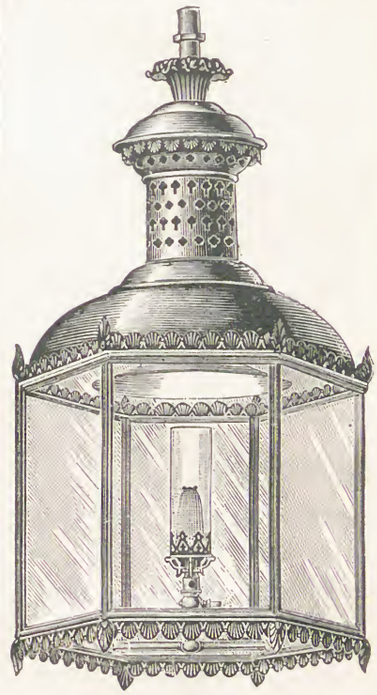
COPPER HEAD.



No. 5877.

Ornamented with English Gold Leaf.
22×31 ins. overall, **82/6** each. 26×36 ins. overall, **95/6** each.
If Copper throughout, 22 ins. **15/6** 26 ins. **17/9** each extra.

HEXAGON LOBBY LAMP.



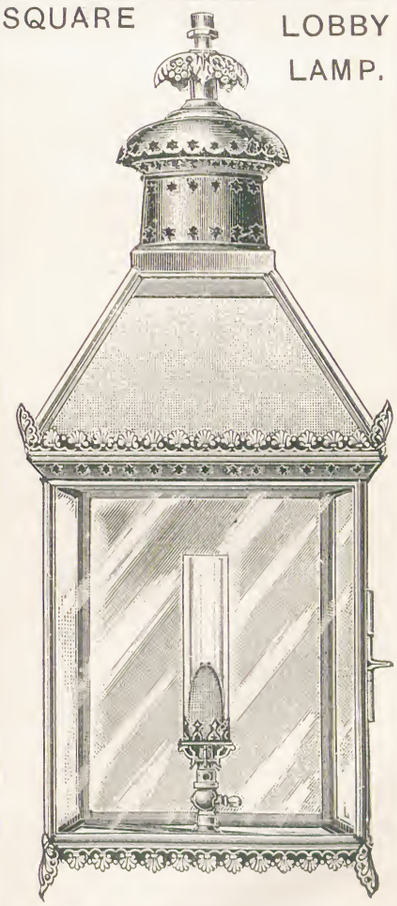
No. 5875.

Fitted as shown, and ornamented with English Gold Leaf.

16×32 ins. overall .. **53/6** each.
18×34 „ .. **61/9** „
20×36 „ .. **68/6** „

If Copper throughout,
16 ins. **15/9** 18 ins. **17/-** 20 ins. **18/-** ea. extra.

SQUARE LOBBY LAMP.



No. 5878. Fitted as shown, and handsomely ornamented with English Gold Leaf.

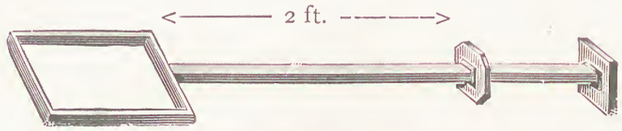
12×32 ins. overall ... **45/3** each.
14×34 „ „ ... **49/6** „
16×39 „ „ ... **53/6** „

If Copper throughout,
12 ins. **10/6** 14 ins. **12/3** 16 ins **13/6** each extra.

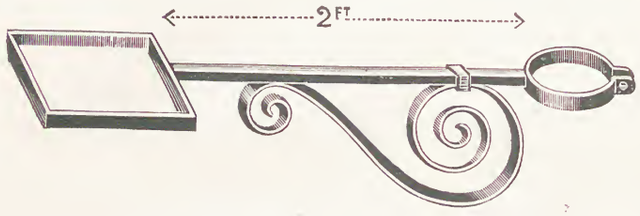
LETTERING EXTRA.

WROUGHT IRON LAMP BRACKETS AND CRADLES.

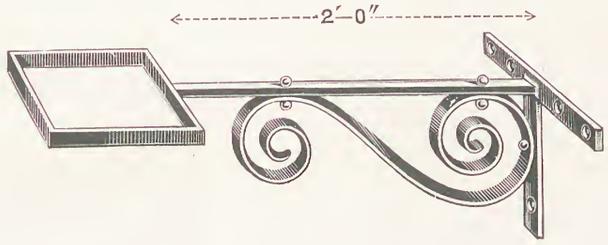
No. **5879**.
Wrought Iron Bracket.
To Build into Wall.



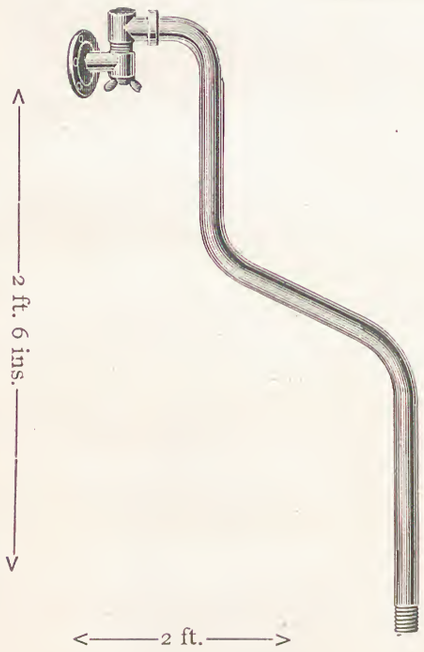
No. **5879**.
Complete as Drawn.
Price 15/- each.



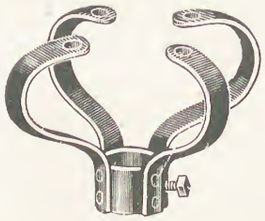
No. **5880**. Wrought Iron Bracket.
Complete as Drawn, **17**/- each.



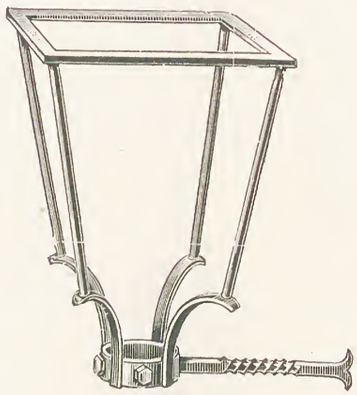
No **5881**.
Wrought Iron Bracket. Complete as Drawn, **17**/- each.



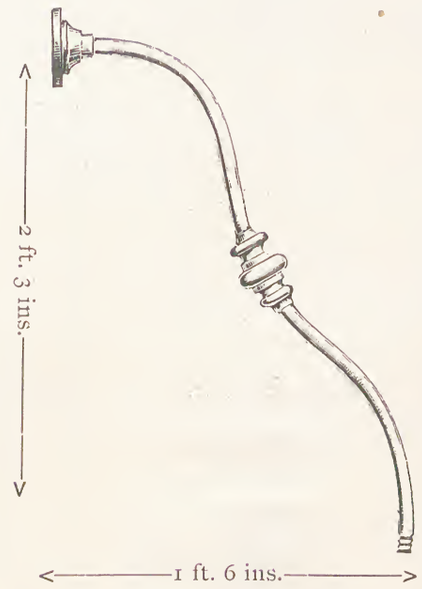
No. **5884**.
½ inch Double Bent Iron Arm.
Complete with Socket as Drawn.
13/- each.



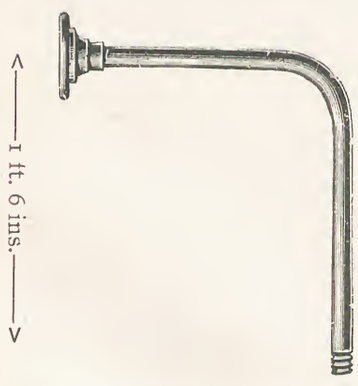
No. **5882**.
Wrought Iron Spray, **9/6** each.



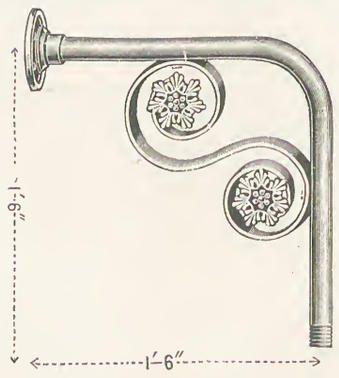
No. **5883**.
Wrought Iron Cradle, Complete as Drawn.
13/- each.



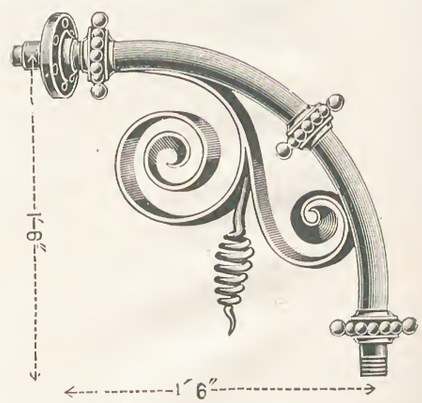
No. **5885**.
¾ inch Double Bent Iron Arm.
Complete as Drawn, and Ornamented with English Gold Leaf.
11/6 each.



No. **5886**.
¾ inch Iron Arm, Complete as Drawn.
7/- each.

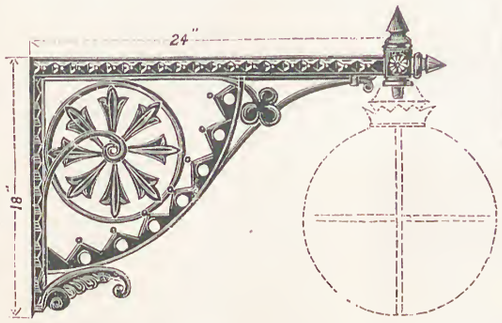


No. **5887**.
¾ inch Iron Arm, Ornamented with English Gold Leaf.
Complete as Drawn.
15/- each.



No. **5888**.
¾ inch Iron Arm, and Ornamented with English Gold Leaf. Complete as Drawn.
14/9 each.

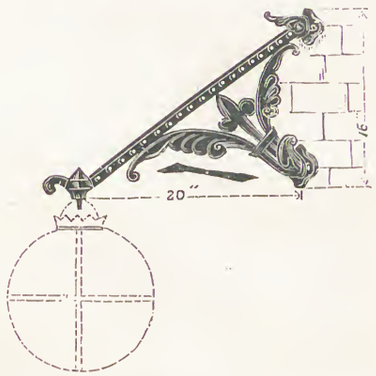
CAST IRON LAMP BRACKETS AND COLUMNS.



No. **5889.** Cast Iron.
Size as shown.
⅜ or ½ in. Pipe in Top Bar.
Price 13/6 each.
Globe Lamp extra.



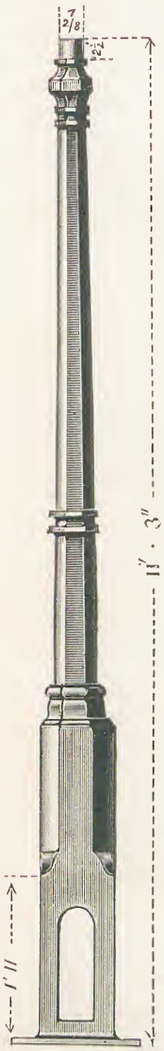
No. **5890.** Cast Iron.
Scroll Lamp Bracket with Square for Lantern, as drawn.
Price 23/6 each.
Square Lamp and Fittings extra.



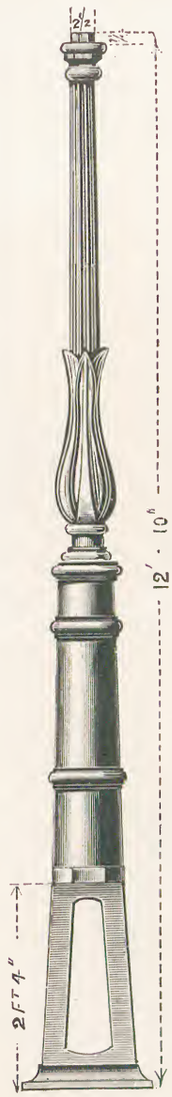
No. **5891.** Cast Iron.
Sizes as shown.
⅜ in. Pipe in Bar.
Price 8/6 each.
Globe Lamp extra.



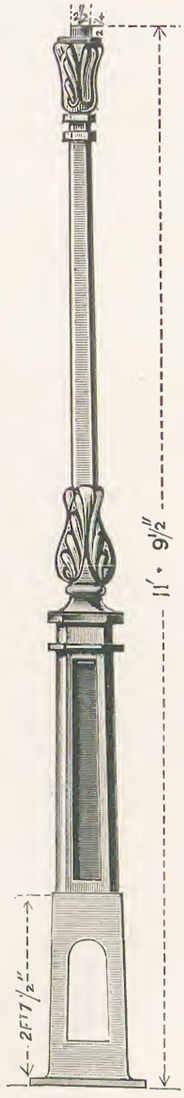
No. **5892.**
Height overall, 11 ft.
Price 41/6 each.



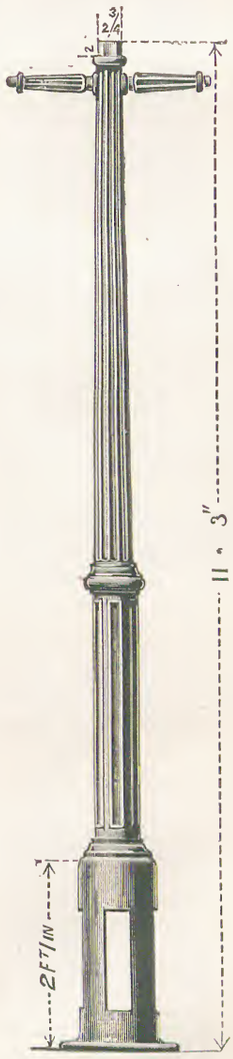
No. **5893.**
Height overall, 11 ft. 3 in.
Price 48/9 each.



No. **5894.**
Height overall, 12 ft. 10 in.
Price 57/- each.

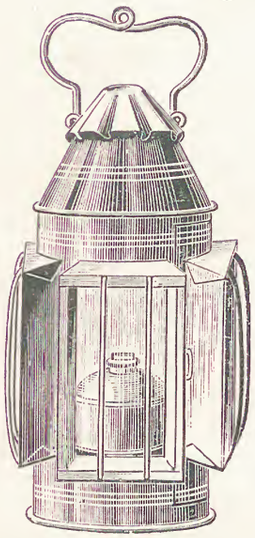


No. **5895.**
Height overall, 11 ft. 9½ in
Price 62/- each.



No. **5896.**
Height overall, 11 ft. 3 in.
Price 42/- each.

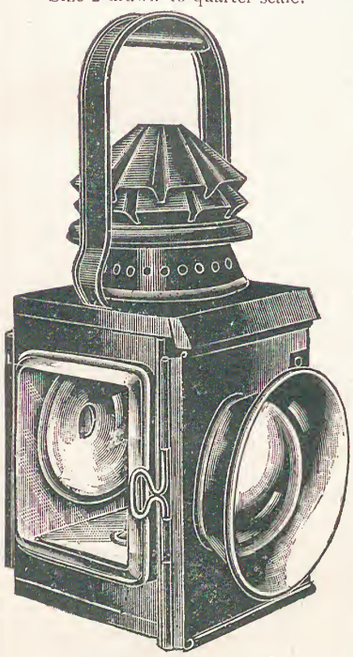
CONTRACTORS' ROAD LAMPS, &c.



No. 5897. Bright Tin, with 2 Clear and 2 Ruby Panes for Candles, **3/3** each.
No. 5898. Ditto, with ½ in. Colza Burner, **4/-** each.

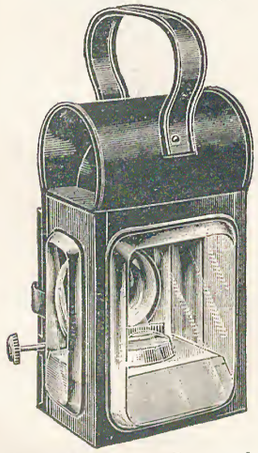
Traction Engine Lamp.

Size 2 drawn to quarter scale.

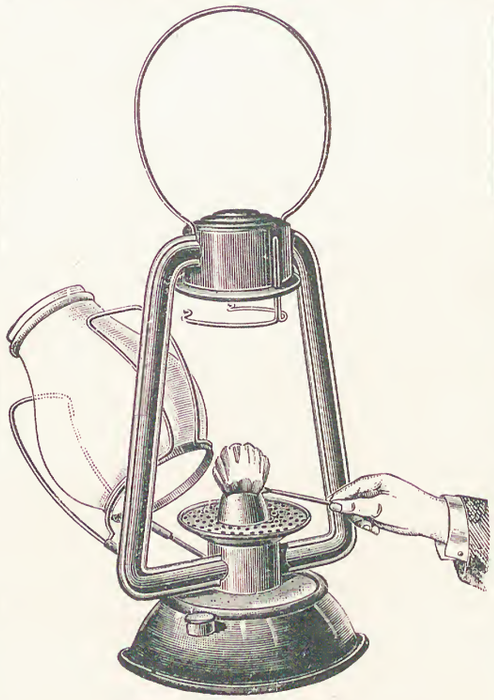


No. 5902. Japanned
Fitted with 4 in. cut and polished Bull's Eye Lens of best quality, 1 in. Colza Burner, plated metal Reflectors and Bell.
Size No. 1 **13/3** No. 2 **16/3** each.

Hand Lamp.

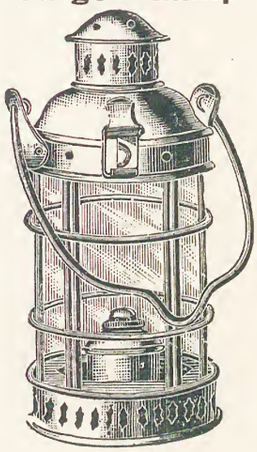


No 5906. Japanned.
Fitted with all bevelled Plate Glass, 1 in. Burner, plated Reflector, Hook at back, well finished. **2/3** each.



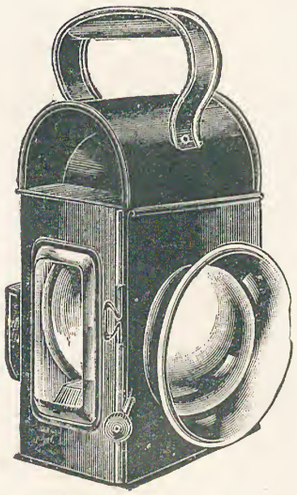
No. 5899.
"Stanley" Hurricane Lamp.
¾ in. Wick. Japanned Red. Hinged Removeable Glass. **3/6** each.

"Cargo" Lamp.

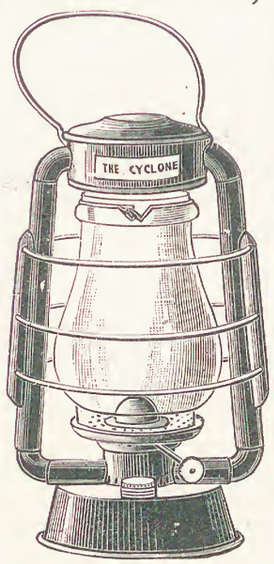


No. 5903. 6¾×13 ins. Colza wind-up Burner.
Japanned Brown **4/6** each. Galvanized **5/9** each.

Hand Lamp.

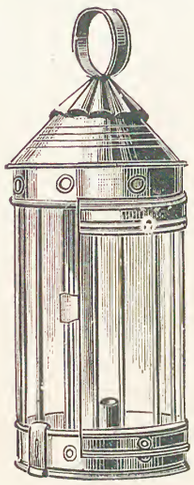


No. 5907. Japanned.
3½ in. cut and polished Bull's Eye Lens at front, with Silvered or Copper Bell, Bevelled Plate Side Glasses, 1 in. Burner, dovetailed Back Iron, Silver-plated Reflector, Bolt Fastener at door.
6/- each.



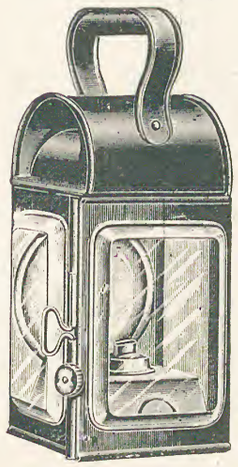
No. 5900. "Cyclone."
7 Line. ⅝ in. Burner. Copper Bronzed.
3/3 each.

Stable Lantern.

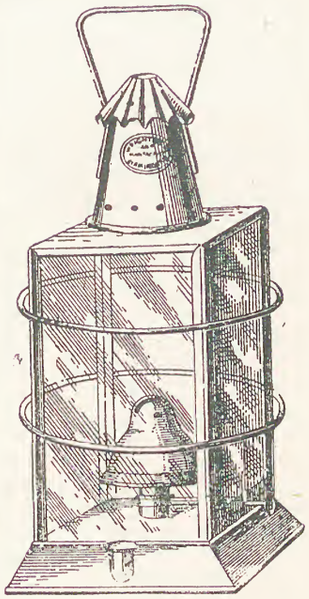


No. 5904.
Bright Tin, with Door. Glass Panes.
3/- each.
Larger Size **3/9** each.

Hand Lamp.

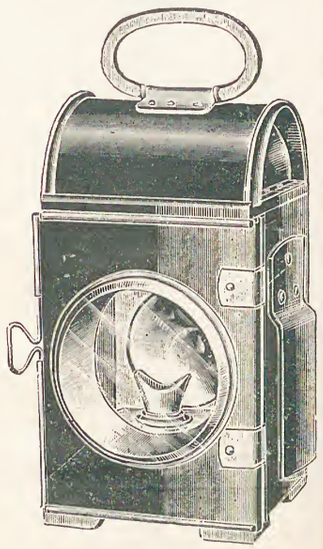


No. 5908. Japanned.
Fitted with all Bevelled Plate Glasses. 1 in. Burner, Outside Winder, Hook or Handle at back, Silver-plated Reflector on Copper, Bolt Fastener at door.
5/- each.



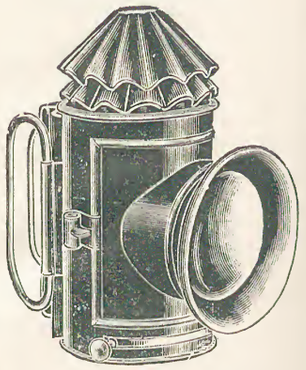
No. 5901.
⅝ in. "Zenith" Burner. Japanned Red. Moveable Glass. Windproof.
3/6 each.
Ruby Panes **2d.** each pane extra.

Fire Engine Lamp.



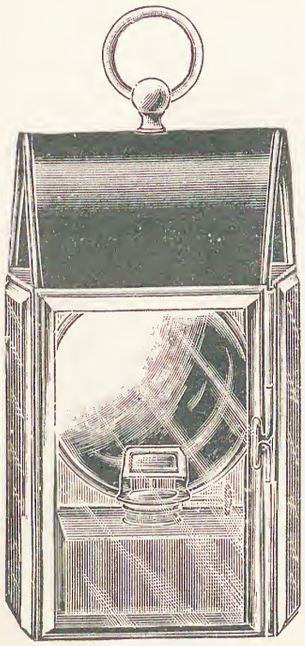
No. 5905.
Drawn quarter scale.
Made for Head or Side.
Japanned .. .. **12/9** each.
Copper .. .. **21/3** ,,

Police Lamp.



No. 5909. Best Quality.
Flat Wick. Darkens instantly by turning Brass Lever at bottom of Lamp. Plated Metal Bell at front. Cut and Polished Bull's Eye Lens.
Sizes 2½ 2¾ 3 inch lens.
3/6 **4/3** **5/-** each.

ENGINE ROOM LAMP.

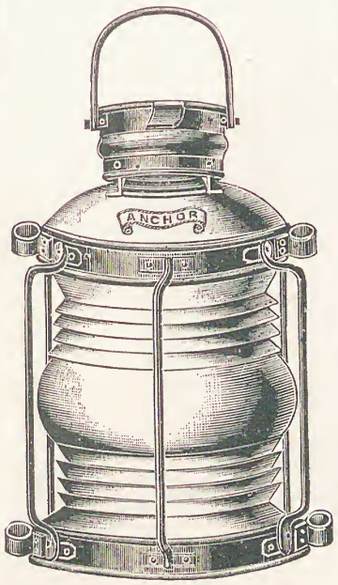


No. **5910**.

Copper, 8×5 ins. Weight about 5½ lb.

Sizes.	Japanned.	Brass or Copper.
6×4 ins.,	**6/6**	**12/9** each.
7×4½ ,,	**7/3**	**15/-** ,,
8×5 ,,	**9/6**	**17/-** ,,
9×6 ,,	**11/-**	**20/6** ,,
10×7 ,,	**13/3**	**24/6** ,,

"ANCHOR" LAMP.



No. **5911**. Dioptric.

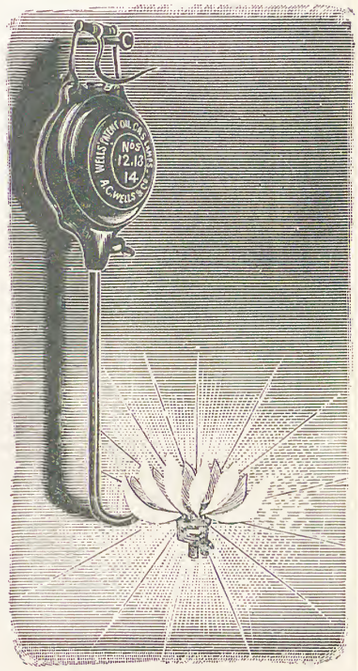
	Japanned.	Galvanized.	Copper, Galvd. Guards.
8×6 ins.,	**25/-**	**28/6**	**42/-** each.
9×6 ,,	**35/-**	**38/6**	**51/-** ,,

All other Ship Lamps supplied to order.

WELL'S PATENT "UNBREAKABLE" LAMPS.

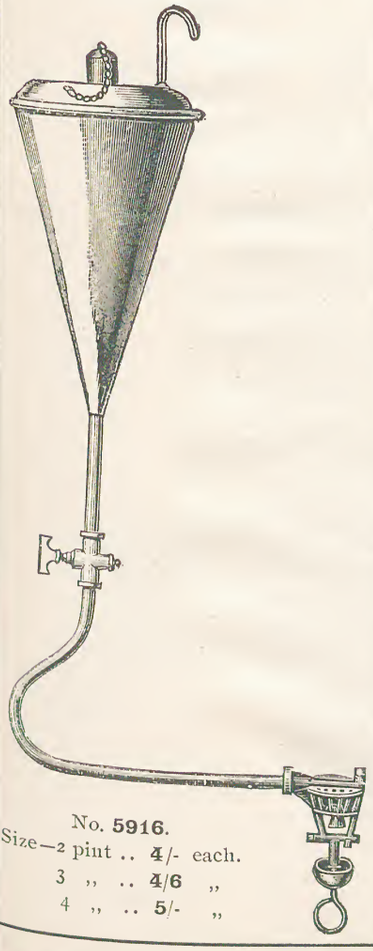


No. **5912**. Kettle Torch.
Holds about 3 pints, 1¼in. wick, **6/9** each.
No. **5913**. Ditto, 6 pints, **13/6** ,,
No. **5914**. Ditto, 6 pints, With Two Wicks, **13/6** each.



No. **5915**. To Hang.
Oil, Gas Generating Lamp.
Hanging, burns about
Three hours, **17/6**; Five hours, **21/-**;
Seven hours, **24/-** each.
Extra Burners .. **3/-** each.

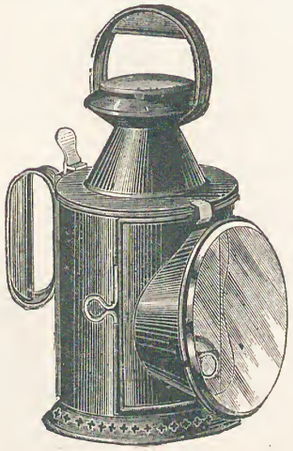
PATENT SELF GENERATING GAS LAMPS FOR BURNING PARAFFIN OIL.



No. **5916**.

Size—2 pint .. **4/-** each.
3 ,, .. **4/6** ,,
4 ,, .. **5/-** ,,

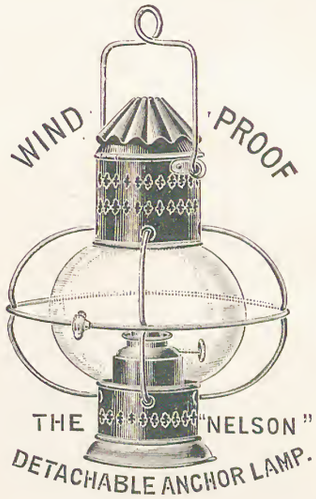
HAND SIGNAL LAMP.



No. **5917**.

Improved Tricolor Hand Signal Lamp, with Perforated foot and Brass Fittings. **13/3** each.
No. **5918**. Ditto, Ticket Lamp, without Tricolor Fittings, **8/6** each.

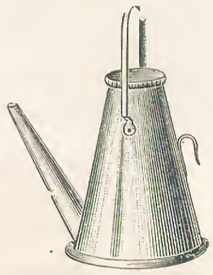
"ANCHOR" OR "CABIN" LAMP.



No. **5919**. "NELSON" Globe Lamp, Colza Burner.

Sizes,	5	6	7	8	9	10	11	12 ins.
Japanned	**5/-**	**6/9**	**7/3**	**8/3**	**9/9**	**12/-**	**13/9**	**17/3** each.
Galvanized	**5/9**	**7/6**	**7/9**	**8/9**	**10/3**	**12/6**	**14/6**	**18/-** ,,
Copper or Brass ...	**8/9**	**8/9**	**12/-**	**13/-**	**14/9**	**20/9**	**26/-**	**32/-** ,,

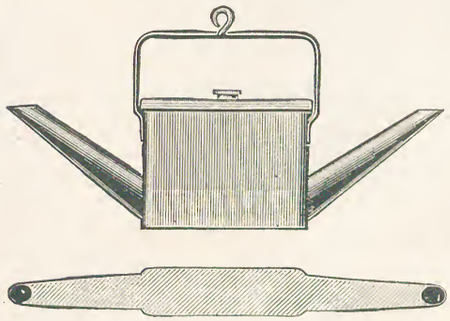
"BUNKER" LAMP.



No. **5920**. Grooved Spout.

Tin	**1/3** each.
Copper Spout ..	**1/6** ,,
Copper or Brass	**2/6** ,,

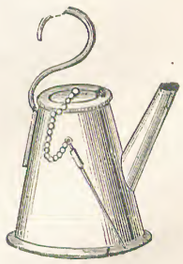
"BUNKER" LAMP.



No. **5921**. Space Bunker Lamp, 5 ins.×4 ins.×1 in. Double Grooved Spouts for Lighting Wheel Races, Boiler Tubes, etc.

Tin.	Copper Spouts.	All Copper or Brass.
1/3	**1/6**	**2/9** each.

"BUNKER" LAMP.

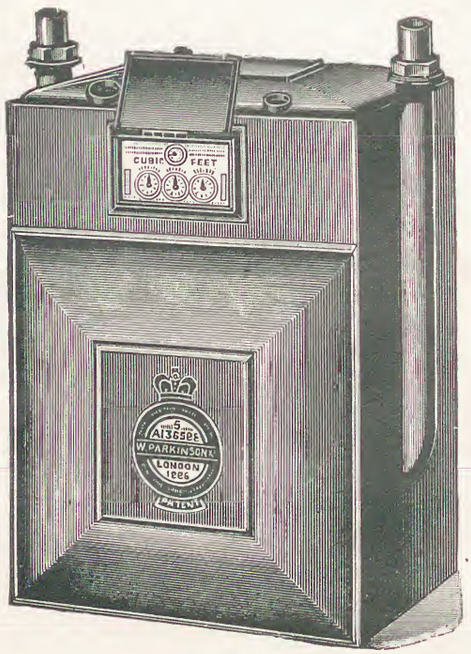


No. **5922**.

Hook on Back Handle.
Grooved Spouts.

Tin	**1/3** each.
Copper Spouts	**1/6** ,,
Copper or Brass	**2/9** ,,

GAS METERS AND GOVERNOR.



No. **5923**.—**PARKINSON'S DRY GAS METERS.**

SIZES.

2 3 5 10 20 30 40 50 60 light.

PRICES.

37/3 45/9 55/6 71/6 99/- 137/6 167/9 190/- 256/- each.

STAMPING.

10d. 10d. 10d. 1/6 1/6 1/6 1/6 1/6 1/6 ,,

SIZES.

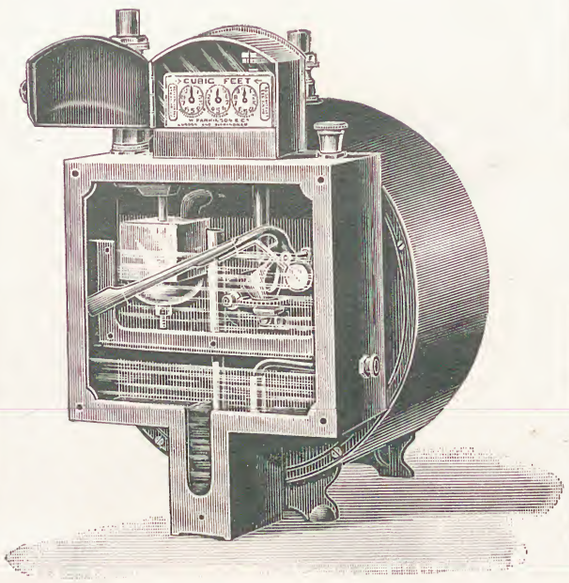
80 100 120 150 200 250 light.

PRICES.

323/- 419/- 457/6 575/- 768/6 877/- each.

STAMPING.

3/- 3/- 4/6 7/6 9/- 10/9 ,,



No. **5924**.

COMPENSATING WET METER IN CAST IRON CASE.

SIZES.

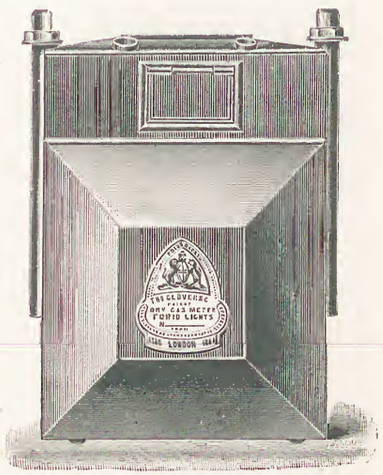
3 5 10 20 30 45 60 80 100 150 light.

PRICES.

51/- 76/3 118/3 177/9 271/6 406/6 474/- 576/6 678/6 915/- each.

STAMPING.

10d. 10d. 1/6 1/6 1/6 3/- 4/6 6/- 7/6 10/9 ,,



No. **5925**.—**GLOVER'S DRY GAS METER.**

SIZES.

1 2 3 5 10 20 30 40 50 60 light.

PRICES.

31/3 37/3 45/9 55/6 71/6 99/- 137/6 167/9 190/- 256/- each.

STAMPING.

10d. 10d. 10d. 10d. 1/6 1/6 1/6 1/6 1/6 1/6 each.

SIZES.

80 100 120 150 200 250 light.

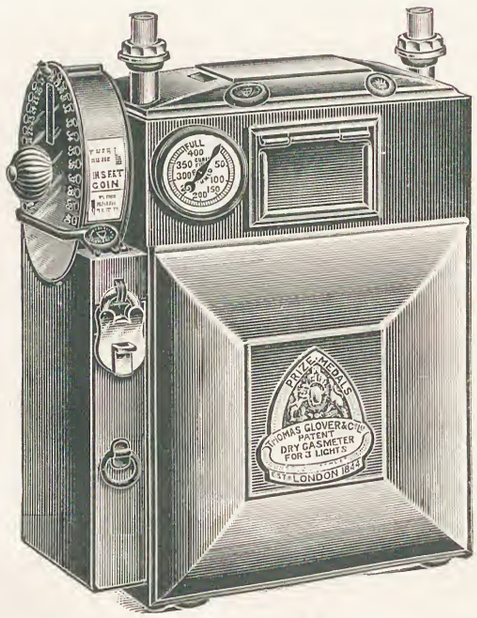
PRICES.

323/- 419/- 457/6 575/- 768/6 877/- each.

STAMPING.

3/- 3/- 4/6 7/6 9/- 10/9 ,,

GLOVER'S PREPAYMENT METER.



No. **5926.**

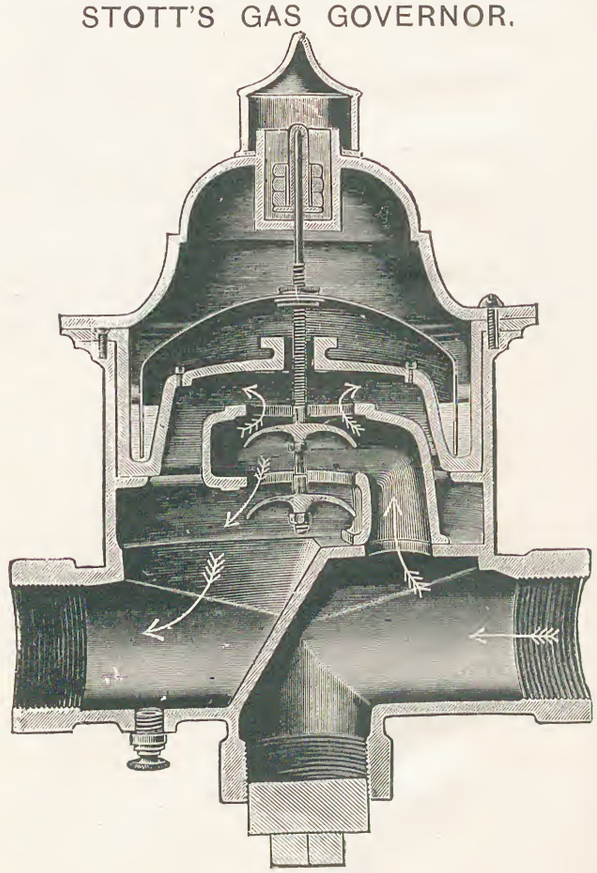
Size ..	2	3	5	10	20	30	light.
Prices ..	**65/-**	**70/-**	**86/-**	**103/3**	**130/-**	**166/-**	each.

Fitted with Padlock and Key, **9**d. extra.

STAMPING FEES EXTRA.

Parkinson's and Croll's Meters can also be supplied or quoted for on application.

STOTT'S GAS GOVERNOR.



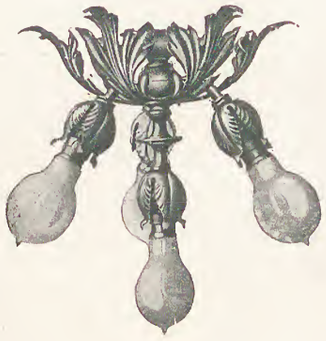
No. **5927.**

Nos.	2	3	4	5	6	7	8	9	
Service Pipe	½	¾	1	1¼	1½	2	3	4	in.
Prices	**52/-**	**75/3**	**102/-**	**132/-**	**158/6**	**228/6**	**362/-**	**468/6**	each.

Fittings charged extra.

ELECTRIC LIGHT FITTINGS.

(Scale one-sixth, except where otherwise stated.)



No. **5928**.

Ceiling Rose, 4-Light.

Bronzes	**12**/-	each.
Polished	**12/6**	,,
Antique Brass ..	**13**/-	,,
Oxy. Silver	**14/3**	,,
Oxy. Copper ..	**13/6**	,,

Lamps extra.

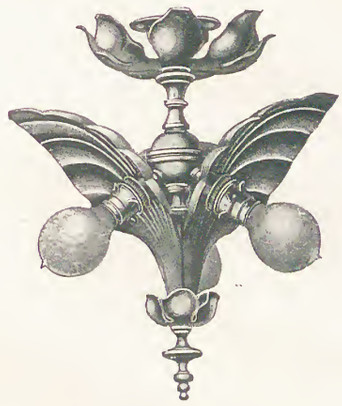


No. **5929**.

Ceiling Rose, 1-Light.

Bronzes	**5**/-	each.
Polished	**5**/-	,,
Antique Brass ..	**5/3**	,,
Oxy. Silver ..	**6**/-	,,
Oxy. Copper ..	**5/9**	,,

Lamps extra.



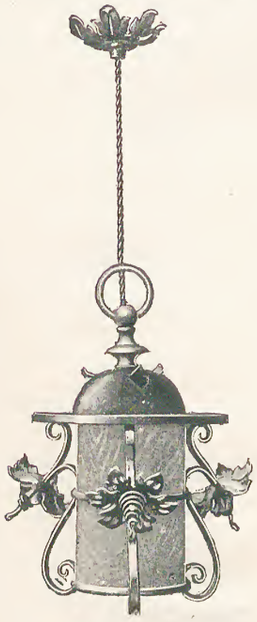
No. **5930**.

Ceiling Rose, 3-Light.

Copper-Polished Reflectors, **40**/- each.

Polished Copper with Silver-plated Reflectors, **48**/- each.

Lamps extra.



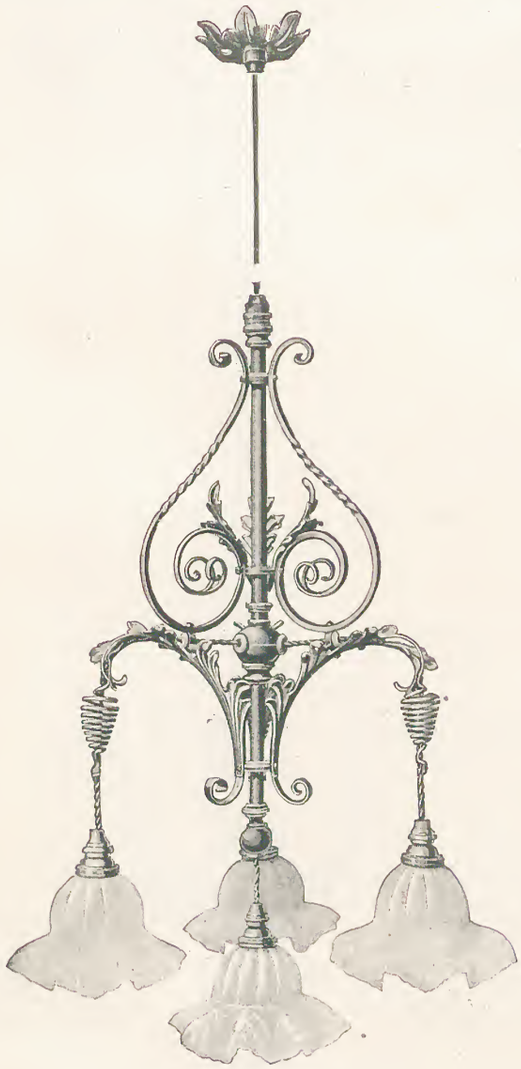
No. **5931**. Pendant.

Registered Design.

Bronzes or Polished	Antique Brass, Oxy. Copper or Silver.
29/6 each.	**32/6** each.

With Flint Twisted Glass Shade.

Cord extra.



No. **5932**. Registered Design.

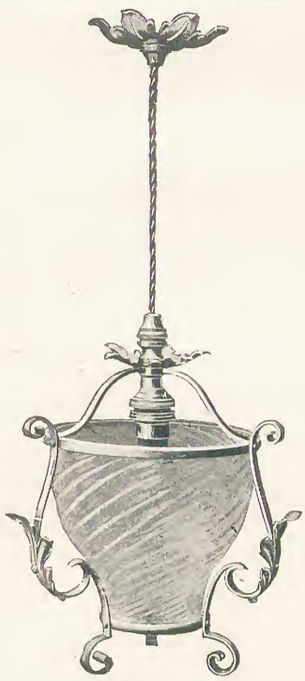
Centre to Light 6 in.

½ in. Nipples unless otherwise ordered.

3 or 4-Light.

Bronzes and Copper.	Polished and Copper.	Antique Brass.	Oxy. Silver.	Oxy. Copper.
32/6	**32/6**	**33/6**	**36/6**	**35**/- each.

Wood Block, Ceiling Plate, Glass Shades, Lamp Holders and Wiring Extra.



No. **5933**. Pendant.

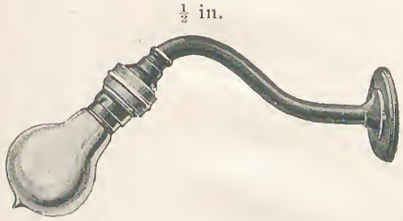
Registered Design.

Bronzes or Polished.	Antique Brass, Oxy. Silver, and Oxy. Copper.
23/9 each.	**26**/- each.

With Flint Twisted Glass Shade.

Can be had with Rod or Chain (extra) if desired. Cord extra.

½ in.



2½ in. Cast Plate.

No. **5934**.

Plain Bracket.

Bronzes or Polished.

Projection	6	9	12 in.
	10/3	**12/9**	**16/3** per doz.

Lamps Extra.



2½ in. Cast Plate.

No. **5935**. Plain Bracket.

Bronzes or Polished.

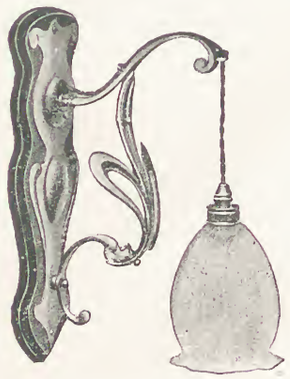
Projection	6	9	12 in.
	10/6	**14**/-	**18/6** doz.

Lamps Extra.

Lamp Holders, Wiring and Lamps Extra.

ELECTRIC LIGHT FITTINGS.

(SCALE ONE-SIXTH.)

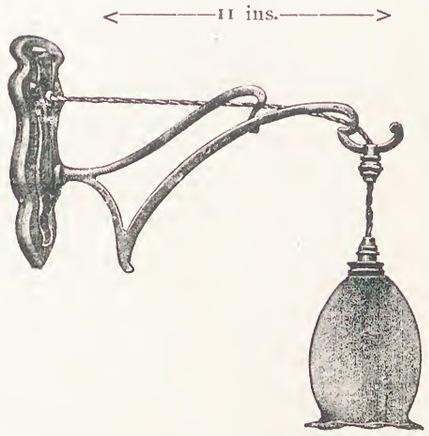


No. **5936.** Bracket.
6 inch back to centre of Light.
Bronzes or Polished, with Walnut Block.
19/- each.
No. **5937**.
Glass Shades, Flint Satin Finish.
2/3 each.



No. **5938.** Table Standard, with Knuckle Joint.

	Bronzes or Polished.	Oxy. Copper or Oxy. Silver.
With 12 inch Silk Shade ..	**38/6**	**40/9** each.
Without Silk Shade ..	**15/9**	**18**/- ,,

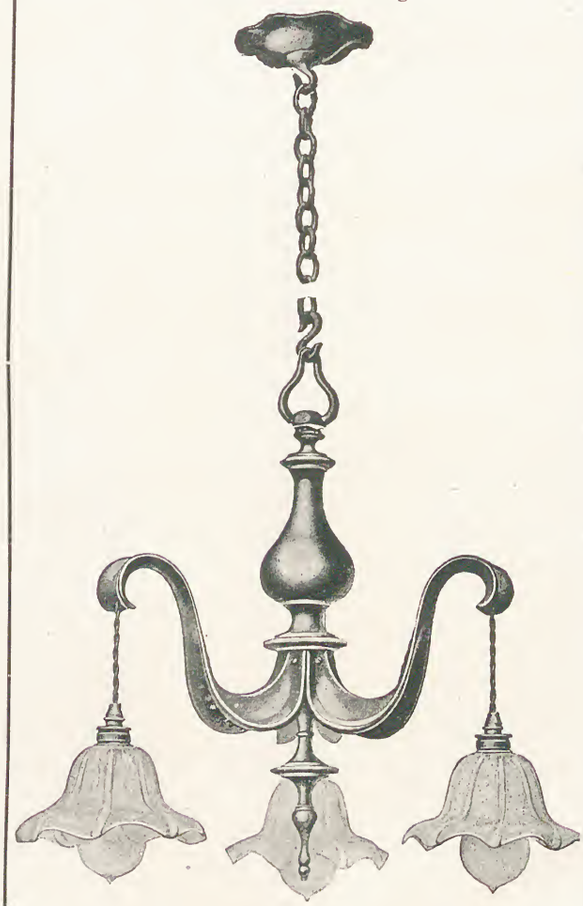


No. **5939**. Bracket.
11 inch back to centre of Light.
Bronzes or Polished, with Black Block.
10/- each.
No. **5937**.
Glass Shades, Flint Satin Finish.
2/3 each.



No. **5940.** Pendant.
With Ceiling Plate and Flint Satin Finish,
Festoon Mould Glass Cylinder.
One-light Bronzes or Polished **34/6** each.
,, Antique Brass .. **36**/- ,,
,, Oxydized Copper or Silver .. .. **38/6** ,,
Silk Tassel, **6**/- each extra.
No Cord.

No. **5941.**
Cast Brass Electrolier, Highly Finished.
8 ins. from Centre to Light.



	Pale Polished.	Antique Brass.	Oxydized Silver.	Oxy. Copper.
Three-light	**59**/-	**63**/-	**69/3**	**66**/- each.
Five-light	**84**/-	**88/6**	**96/6**	**92/6** ,,

No. **5942.** Glass Shades, Lamp holders, Lamps and Wiring extra.
Glass Shades as shown. Flint Etched, Moulded Bright.
7/- each.



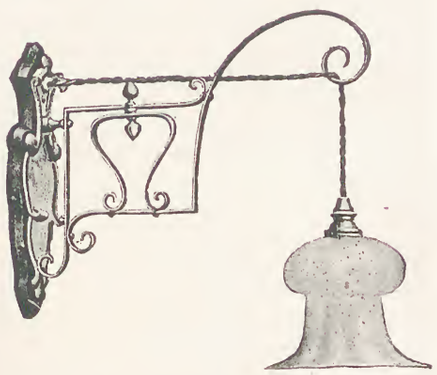
No. **5943.** Pendant.

	Without Glass.	With Opalescent Satin Finish Glass Shade.
Bronzes	**16**/-	**24**/- each.
Polished	**17**/-	**25**/- ,,
Antique Brass ..	**18/3**	**26**/- ,,
Oxy. Copper ..	**19/9**	**27/6** ,,
,, Silver ..	**21**/-	**29**/- ,,

LAMP HOLDERS, LAMPS AND WIRING EXTRA.

ELECTRIC LIGHT FITTINGS.

SCALE ONE-SIXTH.



No. 5944. Bracket.

Bronzes or Polished.	Oxy. Copper or Oxy. Silver.
19/-	**22/3** each.

Including Black Block,
Hand Beaten Back Plate.

Spread 10 ins.

No. 5945. Glass Shade, Opalescent, Satin Finish, **3**/- each.



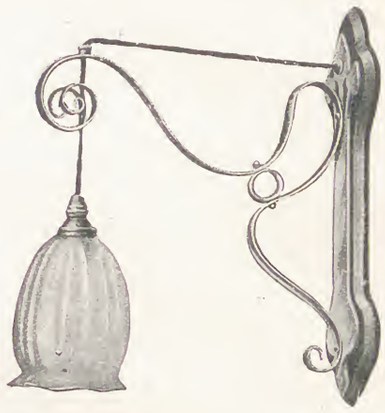
$\frac{7}{16}$ in. Tube, 10 in. Spread.

No. 5946. Bracket.

	Bronzes.	Polished.	Oxy. Copper or Oxy. Silver.
1-Light	**19/9**	**22/3**	**25**/- each.
2-Light	**22/6**	**25**/-	**28**/- ,,

Including Walnut Block.

No. 5937. Glass Shades, Flint, Satin Finish, **2/3** each.



No. 5947. Bracket

Bronzes or Polished.	Oxy. Copper or Oxy. Silver.
12/3	**14/6** each.

Including Black Block.

Spread 9 ins.

No. 5937. Glass Shades, Flint, Satin Finish, **2/3** each.

No. 5949. Pendant, 3 or 5-Light.



No. 5949. <- 6½ ins. ->

	Bronzes.	Polished.	Antique Brass.	Oxydized Silver.	Oxydized. Copper.
3-Light ..	**39/6**	**42**/-	**44**/-	**48/6**	**46/3** each.
5-Light ..	**55**/-	**58**/-	**61**/-	**67**/-	**64**/- ,,

Glass Shades, Lamp holders, Lamps and Wiring extra.

No. 5937. Glass Shades, Straw Opalescent, Satin Finish, **2/6** each.

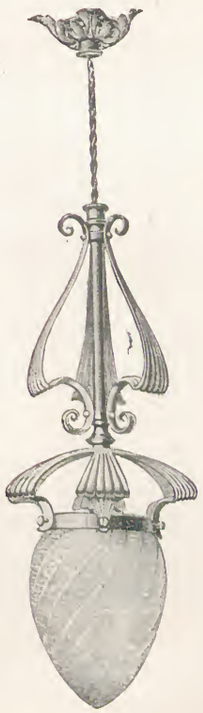


No. 5948. Pendant.

Bronzes ..	**12**/- each.
Polished ..	**12/3** ,,
Antique Brass	**12/9** ,,
Oxydized Silver	**13/3** ,,
Oxy. Copper ..	**13**/- ,,

With Glass Shade,
Straw Opalescent, Satin Finish.

Lamp-holder, Lamp and Wiring extra.



No. 5950. Pendant.

Bronzes ..	**17**/- each.
Polished ..	**17/9** ,,
Antique Brass..	**18/3** ,,
Oxydized Silver	**19/9** ,,
Oxydized Copper	**19**/- ,,

Including Flint Glass Shade.

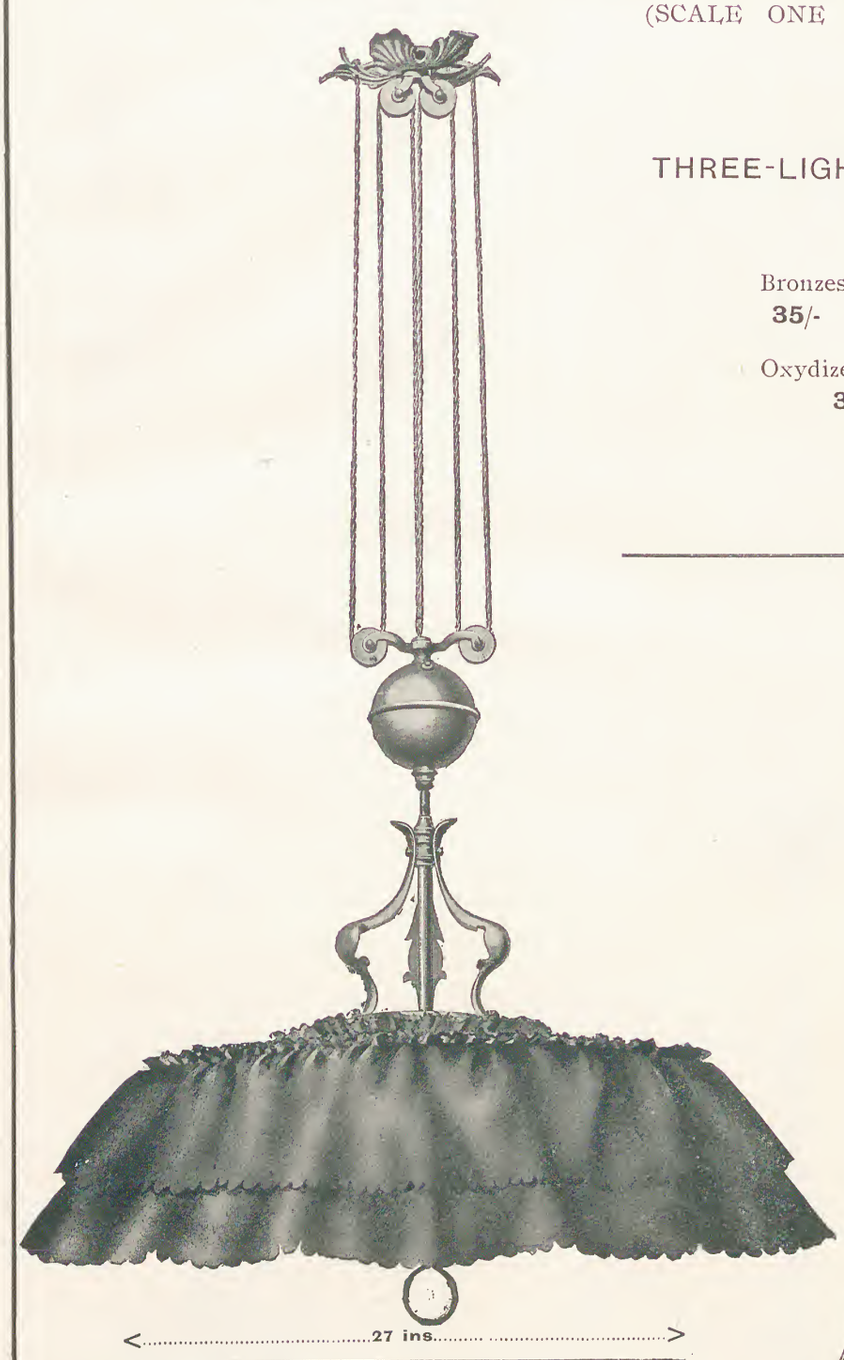
Lamp Holders, Lamp and Wiring extra.

LAMP-HOLDERS. LAMPS AND WIRING EXTRA.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

ELECTRIC LIGHT PENDANTS (SLIDING).

(SCALE ONE SIXTH).



No. **5951**

THREE-LIGHT "RISE AND FALL" SHADE LIGHT.

Including 18 in. Silk Shade.

Bronzes.	Polished.	Antique Brass.
35/-	**36/6**	**37/9** each.

Oxydized Copper.	Oxydized Silver.
38/9	**40/-** each.

Wiring and Lamps extra.

No. **5952.**

PATENT "SIMPLICITAS" ELECTRIC "RISE AND FALL" BEDROOM PENDANT

ADVANTAGES:

The usual ugly Balance Weight dispensed with, and increased efficiency arrived at by a combination of Pulley Wheels.

Carriage and risk of damage in transit reduced.

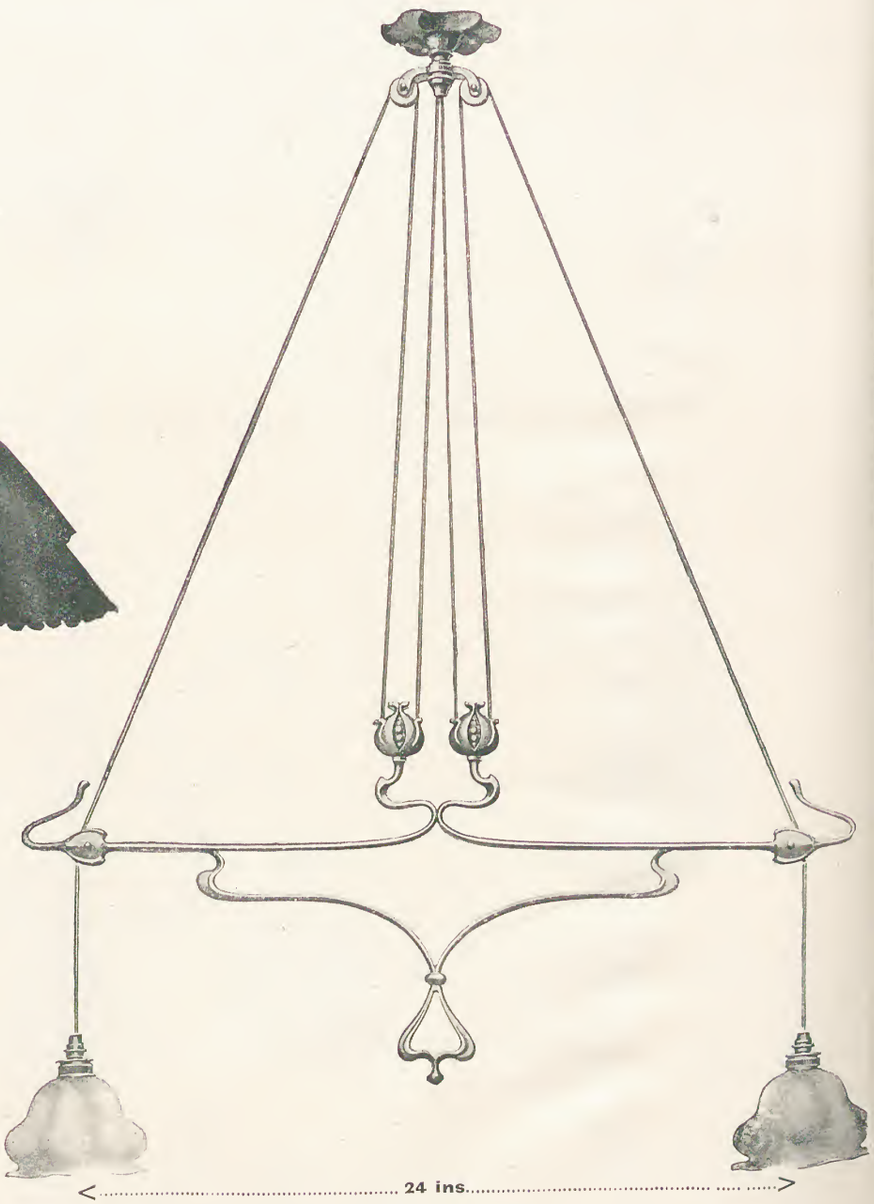
The Lamps are lowered by double the distance the Ornamental Brasswork is raised.

Brasswork ascends out of the way of user.

Bronzes.	Polished.	Antique Brass.
26/6	**27/9**	**29/-** each.

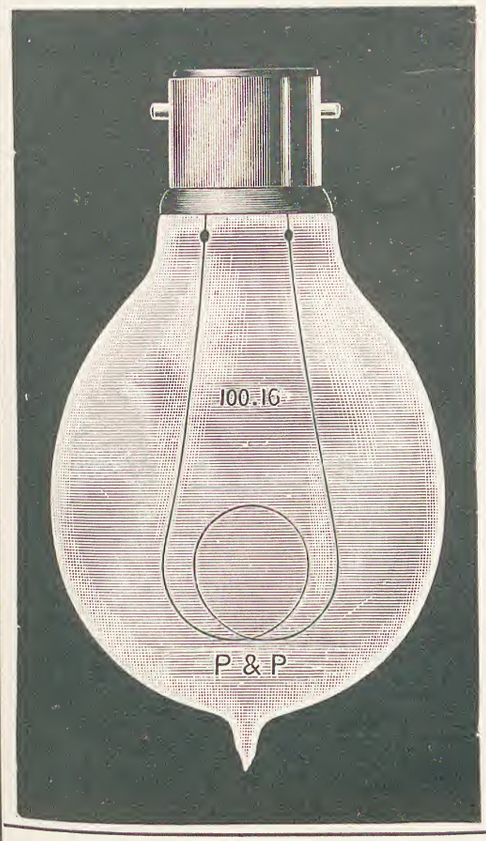
Oxydized Copper.	Oxydized Silver.
30/6	**32/-** each.

No. **5952.**



No. **5953.** GLASS SHADES. Straw Opalescent Satin Finish, **4/-** each extra.

LAMPS AND WIRING EXTRA.



ELECTRIC INCANDESCENT LAMPS.

8, 16 and 32 C.P.

		C.P.	STANDARD. Low Voltage.	STANDARD. High Voltage.
			per doz.	per doz.
No. 5954.	P. & P. Lamps	8 & 16	**11/6**	**13/3**
		32	**13/3**	**15/-**
No. 5955.	"Robertson"	8 & 16	**16/6**	**19/9**
		32	**19/9**	**22/3**
No. 5956.	"Ediswan"	8 & 16	**20/9**	**21/-**
		32	**24/-**	**24/3**

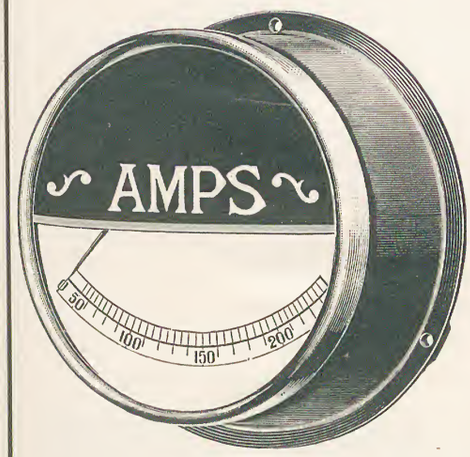
Special Quotation given for quantities.

Frosting .. .. **1/8** per dozen extra.

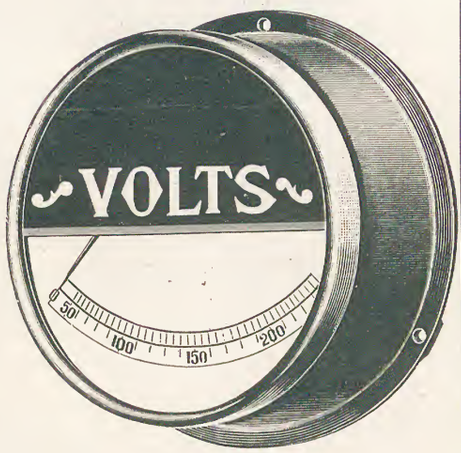
Unless ordered otherwise "Brass Collar" Terminals as shown will be sent.

Lamps of special types and of special efficiencies supplied to order.

AMMETERS AND VOLTMETERS.



No. 5958.



No. 5957.

No. 5957. Voltmeters	10	20	60	100	120	200	400 volts.
	49/6	**55/9**	**68/-**	**74/6**	**78/-**	**92/6**	**111/6** each.
No. 5958. Ammeters	10		20	60	100		200 amps.
	49/6		**52/9**	**65/6**	**68/-**		**90/-** each.

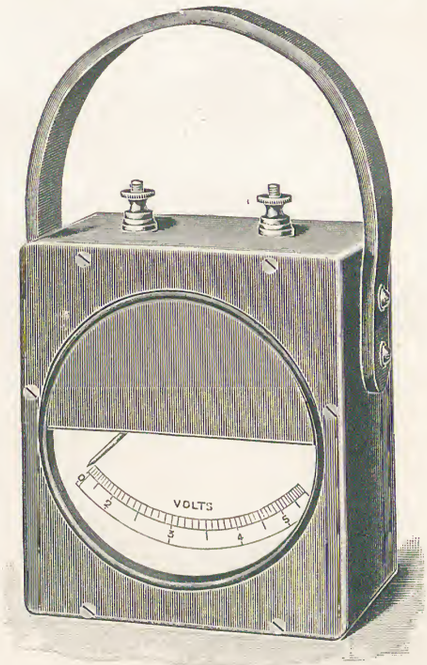
This is a cheap design of gravity instrument, equal in accuracy to any in the market; and by carefully experimenting with a new form of moving iron, we are enabled to obtain scales on these instruments which have nearly equal divisions for equal variation in current.

Cast Case, Stove Enamelled.

Plain or Nickel-plated Bezel.

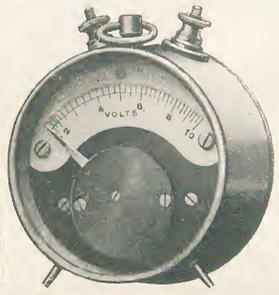
Front or Back Terminals.

PORTABLE TESTING INSTRUMENT.



No. 5959. Voltmeter or Ammeter in Polished Wood Case with Leather Handle.

Any Voltage to 60 .. .. **45/9** each.
,, ,, 160 .. .. **48/3** ,,
,, ,, 250 .. .. **50/-** ,,
Any Amperes to 120 .. .. **45/9** ,,



PORTABLE CELL TESTERS.

No. 5960.

Brass Case.

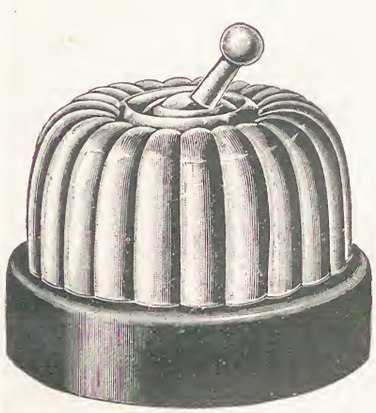
Any reading up to 10 Volts or 5 Amperes.

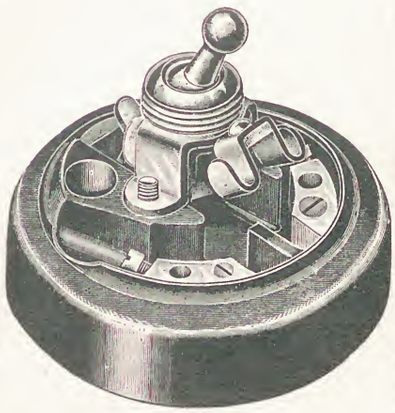
28/9 each.

TUMBLER SWITCHES.

ENGLISH WORKMANSHIP AND MATERIAL THROUGHOUT.

PERFECT CONTACT. HIGH INSULATION.





No. **5961.**
Polished Brass Cover, Porcelain Base, **1/6** each.



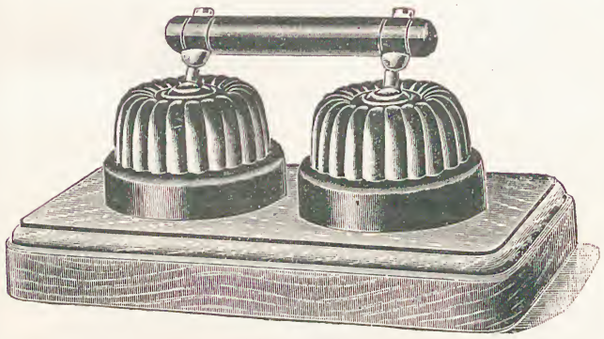
No. **5962.**
Fancy Design in White Porcelain, **4**/- each.



No. **5963.**
Heavy Cast Brass Cover. Polished or Dead Gold Finish, **4/9** each.

DOUBLE POLE TUMBLER SWITCH.

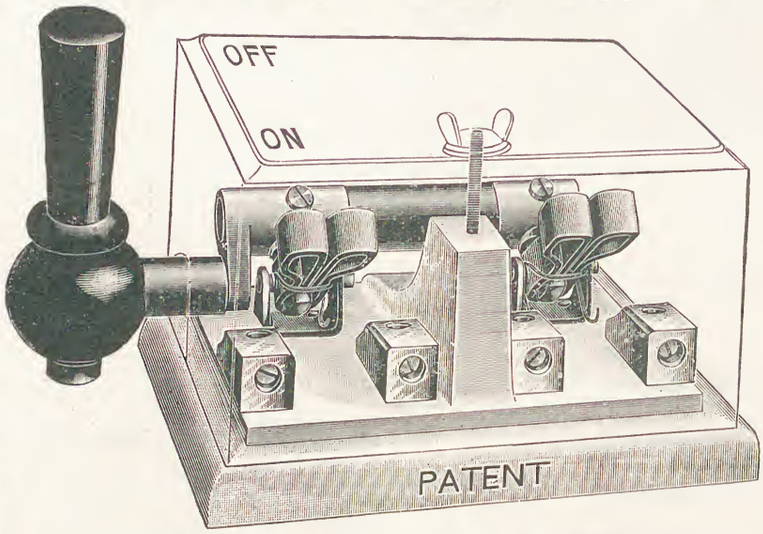
COUPLED AND MOUNTED ON POLISHED TEAK BASE.



No. **5964.**

Five Amp. with Brass Cover .. .. .. **4/6** each.
Ten Amp. with Brass Cover .. .. .. **9**/- „

DOUBLE POLE SWITCH.



Entirely Enclosed by Porcelain Cover

—

Porcelain Bridge between Poles.

—

Quick Break.

—

Good Contact

—

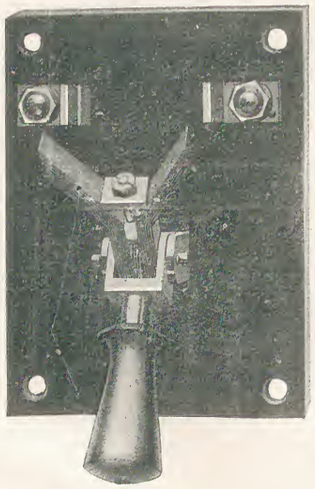
Insulating Handle.

No. **5965.** Five to ten Amp., base $4\frac{3}{4} \times 3\frac{1}{4} \times 2\frac{1}{2}$ in. high, **10**/- each.

HIGH VOLTAGE SWITCHES.

WITH LAMINATED ADJUSTABLE CONTACTS.

Great Mechanical Strength. MOUNTED ON ENAMELLED SLATE BASES, WITH COCUS HANDLES. Simplicity of Construction.



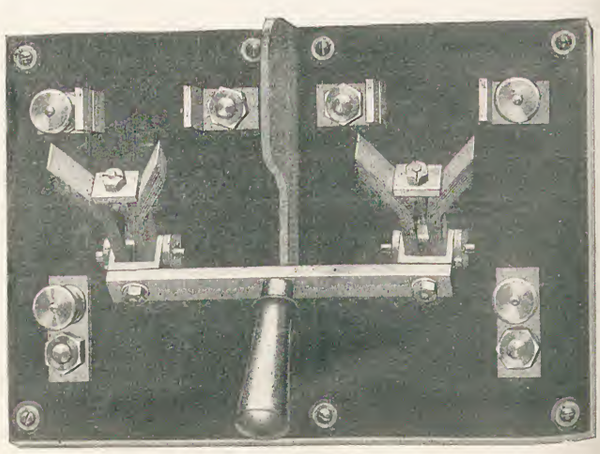
No. **5966.**
Exceedingly long Break.

PRICES

No. **5966.** SINGLE POLE.					No. **5967.** DOUBLE POLE.			
Amps.	Switch.	With Fuse.	In Case no Fuse	Case & Fuse	Switch	With Fuse	In Case no Fuse	Case & Fuse
12	7/-	9/6	17/-	19/6	16/6	21/6	28/-	33/-
20	9/-	13/3	19/9	24/-	20/6	28 9	33/-	41/3
40	15/-	19/-	25/6	29/9	33/-	41/-	45/3	53/6
60	19/9	26/3	31/9	38/6	43/6	57/-	57/9	71/-
100	24/-	31/3	36/-	43/3	52/-	66/9	66/-	81/-
150	31/6	39/6	45/6	53/6	67/6	84/-	84/-	100/-
200	38/-	48/-	54/6	64/6	81/-	100/-	100/-	120/-
	Each.				Each.			

The Standard Cases are of Polished Teak, with Glass Fronts, Locks and Keys.

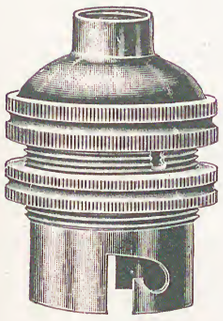
Cast Iron Cases are provided at the same price as the Teak.



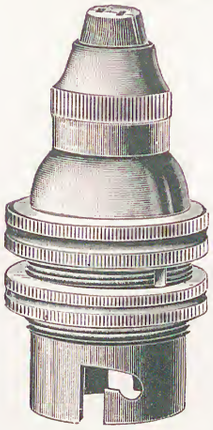
No. **5967.**
Adjusting Screw being provided to compensate for wear.
Large and springy contact surface.

The design of these Switches is the outcome of many years' experience and experimenting in pursuit of an article, perfect both electrically and mechanically.

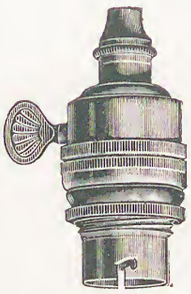
ELECTRICAL ACCESSORIES.



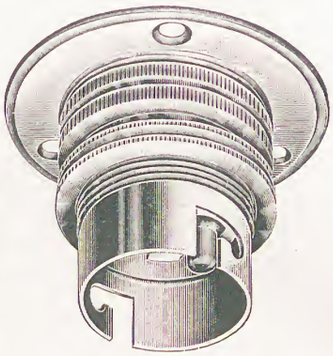
No. **5969.**



No. **5970.**



No. **5975.**



No. **5972.**

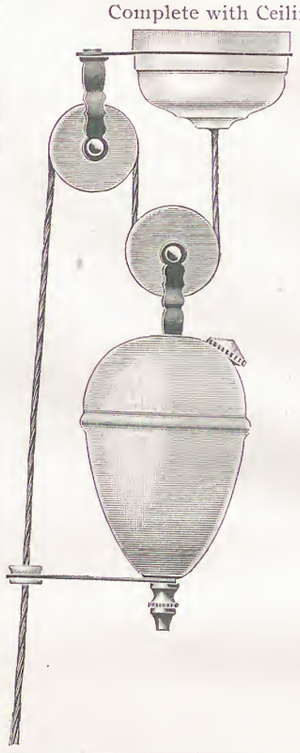
BAYONET LAMP HOLDERS.

For High or Low Voltage.

No. **5968.**	Plain, with $\frac{3}{8}$, $\frac{1}{2}$ or $\frac{5}{8}$ Nipple	**6/3** per doz.
„ **5969.**	„ „ „ „ and Shade Holder	**6/9** „
„ **5970.**	„ „ Cord Grips and Shade Ring	**7/9** „
„ **5971.**	„ „ Backplate	**9/3** „
„ **5972.**	„ „ Backplate and Shade Ring	**9/9** „
„ **5973.**	Key Switch Holder, with $\frac{3}{8}$, $\frac{1}{2}$ or $\frac{5}{8}$ in. Nipple	**21/6** „
„ **5974.**	„ „ „ „ „ and Shade Ring.. ..	**23/-** „
„ **5975.**	„ „ „ Cord Grip and Shade Ring	**25/9** „

CEILING COUNTERWEIGHT.

Complete with Ceiling Rose.

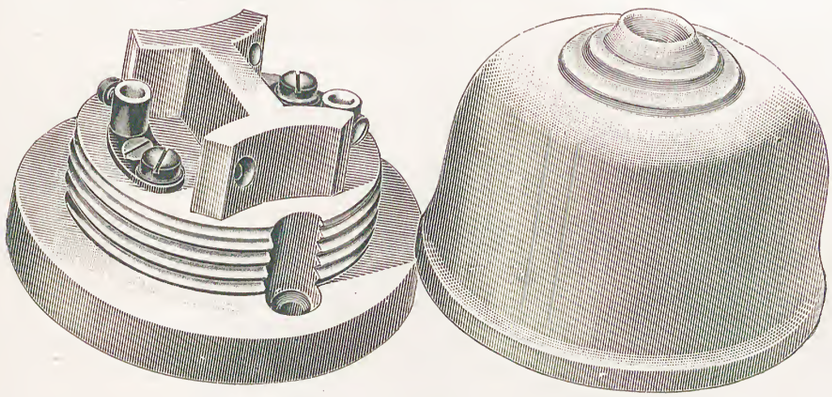


White Porcelain.

No. **5976.**

1/9 per set.

HIGH VOLTAGE CEILING ROSE.



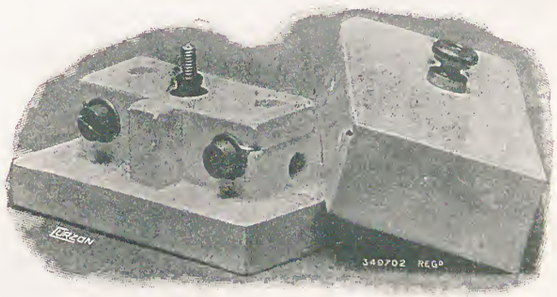
No. **5977.**

No. **5977.**	White Porcelain, without Fuse	**6/3** per doz.
„ **5978.**	Circular, 5 amps, 2 in. Diameter	**6/9** „
„ **5978.**	„ 10 „ $2\frac{1}{2}$ „ „	**13/9** „
„ **5979.**	Rectangular, 5 amps, $2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{3}{8}$ in.	**13/-** „
„ **5979.**	„ 10 „ $3\frac{1}{4} \times 2 \times 1\frac{5}{8}$ „	**21/6** „

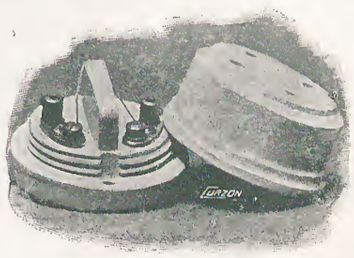
Length of Fuse, 5 amps. $3\frac{1}{4}$ in., 10 amps $4\frac{3}{4}$ in.
Direct Wiring Terminals, Ventilated Covers.

HIGH VOLTAGE CUT OUTS.

Single Pole.

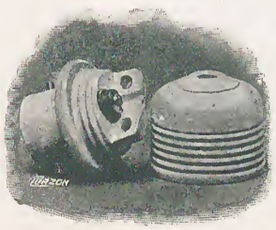


No. **5979.** Rectangular Pattern.



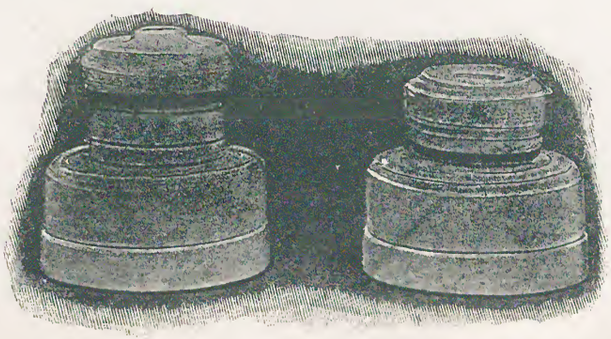
No. **5978.** Circular Pattern.

HIGH VOLTAGE ADAPTORS AND WALL SOCKETS.

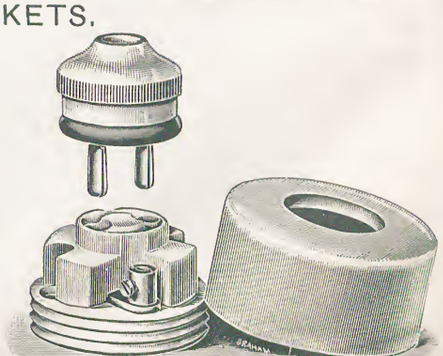


No. **5980.** Bayonet Joint.

Black or White Porcelain, **16/-** per doz.
Cocus or Hard Wood Covers, **18/3** „



No. **5981.** Standard Size.
5 amps, with "all China" plug, **2/9** each.
10 amps, with part fibre plug, .. **2/6** „

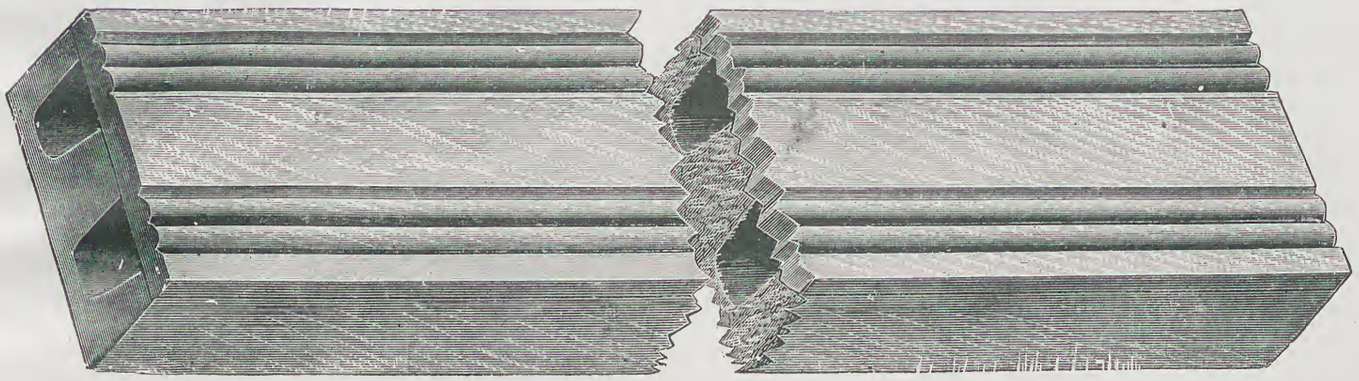


No. **5982.** With part fibre plugs. Miniature size.
3 amps $1\frac{3}{4}$ dia. Black or White Porcelain, **2/6** each.
Do. with Cocus or Hardwood Covers, **2/9** „

CASING AND CAPPING.

TWO GROOVE.

BEST QUALITY AMERICAN WHITEWOOD.



No. **5983.**—Made up in 100 ft. Bundles.

Width of Casing ..	1⅛	1½	1¾	2	2½	3	3½	4	in.
Size of Groove ..	3/16	3/32	6/16	7/16	½	⅝	¾	1	in.
Take size of Wire ..	1/18	1/16	1/14	7/20	7/16	7/14	10/16	10/12	
Price	**5/-**	**6/-**	**7/-**	**8/6**	**11/-**	**15/6**	**18/6**	**25/-**	per 100 feet.
Price	**45/-**	**51/-**	**60/-**	**79/-**	**100/-**	**145/-**	**170/-**	**220/-**	per 1,000 feet.

Single and Three Groove Casing and Capping, also Mahogany, Walnut and other Special Woods supplied to order at short notice.

NOTE.—All the above Casings and Covers can be delivered from Stock upon receipt of order.

Delivered in exact 100-feet bundles of Casings and Covers. The above prices are for Covers as illustrated, arranged so as to be screwed either at the side or in the middle. Fancy moulded Covers can be supplied at a slight additional cost.

Larger sizes and Casings to carry 4, 6, 8, 10 or more Cables in separate Grooves, to order in a few days, and at correspondingly low prices.

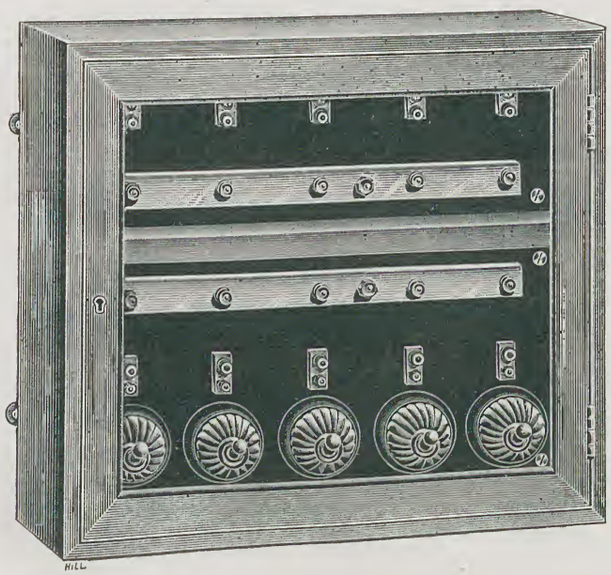
Casings and Covers made in Yellow Deal, Oak, Walnut, Mahogany, or any pattern to match existing fittings.

FOR JOINTING MATERIALS (FOR INSTALLATION WORK) see page 500.

DISTRIBUTION BOARDS.

Single, Double or Triple Pole.

Mounted on Polished Slate or Marble Bases, in either Teak, Mahogany, or Cast Iron Cases.



No. **5984.**

ESTIMATES GIVEN ON RECEIPT OF REQUIREMENTS.

ELECTRIC LIGHT FLEXIBLE WIRE

No. 5985. STANDARD GOOD QUALITY.

High Conductivity Copper Wire, Thoroughly Insulated with Vulcanized India-rubber and Braided Overall.

Size.	Equivalent in L.S.G.	Workshop. Ref. No. 5985.	Workshop. Price per gross yards.	Glacé. Ref. No. 5986.	Glacé. Price per gross yards.	Silk. Ref. No. 5987.	Silk. Price per gross yards.	Size.
23/40	22	—	£1 12 9	—	£1 12 9	—	£1 15 6	23/40
35/40	20	—	1 15 6	—	1 15 6	—	2 0 0	35/40
70/40	18	—	2 17 6	—	2 13 0	—	2 18 6	70/40

HIGHEST QUALITY (600 Megohms).

SPECIFICATION.– Conductors composed of high conductivity Tinned Copper Wires, No. 36 S.W.G., insulated with one layer of pure Para Rubber and two layers of Vulcanized Rubber, to give an insulation resistance of 600 megohms per mile at 60° F., after 24 hours immersion in water and one minute's electrification. The insulation to withstand a pressure of 1,000 volts, alternating current at 15 minutes.

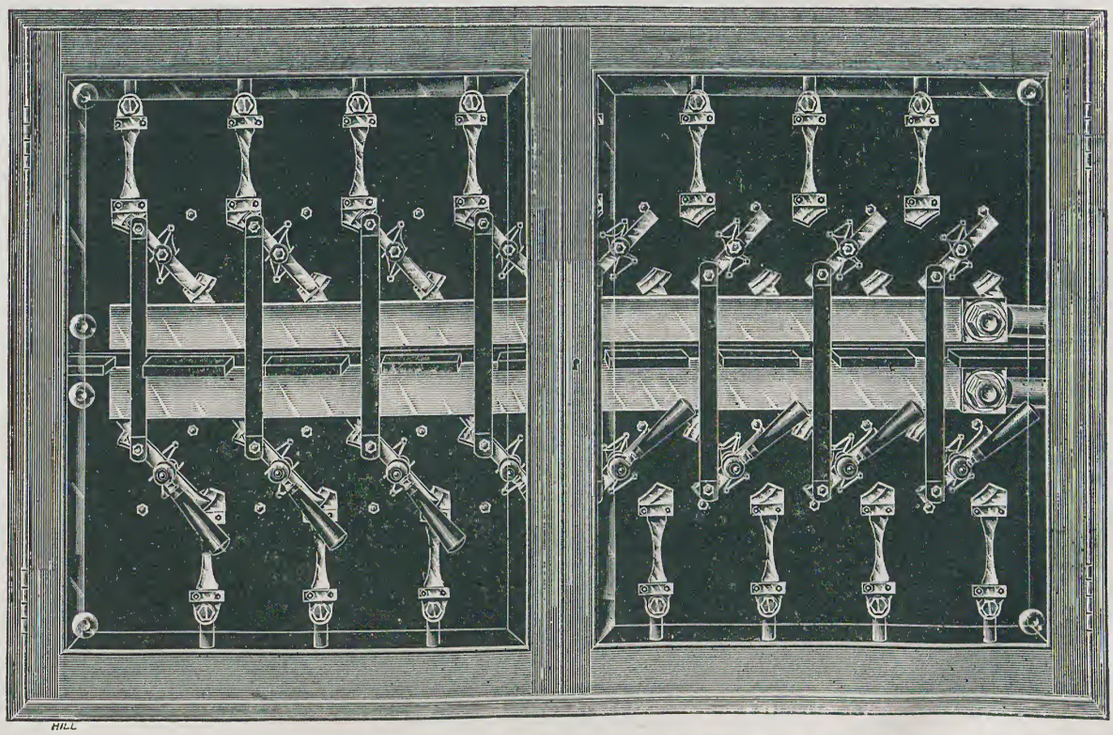
Sizes.	Equivalent S W.G.	Workshop. Ref. No. 5988.	Workshop. Price per gross yards.	Glacé. Ref. No. 5989.	Glacé. Price per gross yards.	Silk. Ref. No. 5990.	Silk. Price per gross yards.	Size.
23/36	20	—	£3 13 3	—	£4 3 6	—	£4 16 6	23/36
40/36	18	—	5 6 6	—	5 13 3	—	6 6 6	40/36
70/36	16	—	8 13 0	—	9 6 3	—	10 13 0	70/36
90/36	15	–	10 0 0	—	10 13 0	—	12 13 0	90/36
110/36	14	—	11 6 3	—	11 19 6	—	13 19 6	110/36

A large variety of Colours kept in stock. Special Colours made to order in three or four days.
When ordering please quote No. and Colour.

No. 5991. SWITCH BOARDS.

Mounted on Polished Enamelled Slate, with quick break Switches of best Laminated Type, in Polished Teak Cases, Bevelled Glass Fronts, with Locks and Keys, Single or Double Pole as required.

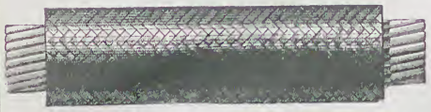
Made to any Specification and to Consulting Engineers' requirements. Suitable for Hotels, Asylums, and House Lighting of every Description.



ESTIMATES GIVEN ON RECEIPT OF PARTICULARS.

All Prices on this page are Subject to the Fluctuations of the Metal Markets.

TAPED AND BRAIDED WIRES AND CABLES.

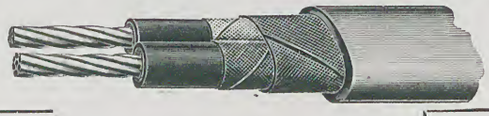


No. 5992. SPECIFICATION:—H C. Tinned Copper Wire, insulated with Pure and Vulcanizing India-rubber and Tape: the whole vulcanized together BRAIDED and COMPOUNDED.

Size of Conductor.	Current Carrying Capacity at 1,000 Amperes per square inch of sectional area.	Approximate Diameter of complete Cable in inches.	Approximate Weight per mile in lbs.	TAPED, BRAIDED AND COMPOUNDED. CLASS 1. 300 Megohms. Minimum Insulation Resistance per mile.	CLASS 1. 300 Megohms. Price per mile.	CLASS 2. 600 Megohms. Minimum Insulation Resistance per mile	CLASS 2. 600 Megohms. Price per mile.	CLASS 3. 2,500 Megohms. Minimum Insulation Resistance per mile.	CLASS 3. 2,500 Megohms. Price per mile.	Size of Conductor.
L.S.G.					£ s. d.		£ s. d.		£ s. d.	
1/20	1·0	·165	92	1200	13 10 0	2000	14 0 0	5000	15 5 0	1/20
1/18	1·8	·179	116	1200	16 10 0	2000	17 0 0	5000	18 0 0	1/18
1/16	3·2	·197	157	1200	20 0 0	2000	20 15 0	5000	22 5 0	1/16
1/14	5·0	·217	206	800	25 5 0	1250	26 0 0	4500	28 0 0	1/14
3/22	1·9	·192	130	800	19 5 0	1250	20 5 0	4500	21 10 0	3/22
3/20	3·0	·214	174	800	24 5 0	1250	25 10 0	4500	27 5 0	3/20
3/18	5·4	·243	255	800	33 0 0	1250	35 0 0	4500	37 5 0	3/18
7/22	4·4	·221	200	800	26 15 0	1250	28 0 0	4500	30 10 0	7/22
7/21½	5·0	·229	220	800	29 5 0	1250	30 5 0	4500	32 10 0	7/21½
7/20	7·2	·294	335	600	37 10 0	900	39 0 0	4000	41 10 0	7/20
7/18	12·8	·336	512	600	55 0 0	900	57 0 0	4000	60 15 0	7/18
7/16	22·9	·394	802	600	84 10 0	900	88 5 0	3500	94 10 0	7/16
7/15	29·0	·424	965	450	100 15 0	750	104 0 0	3500	112 0 0	7/15
7/14	35·6	·452	1164	450	118 0 0	750	122 10 0	3500	132 15 0	7/14
19/20	19·7	·380	715	450	76 5 0	750	79 0 0	3500	83 15 0	19/20
19/18	35·0	·452	1120	450	119 5 0	750	122 10 0	3000	129 5 0	19/18
19/17	47·9	·500	1475	450	148 10 0	750	155 0 0	3000	164 0 0	19/17
19/16	62·4	·548	1850	450	184 10 0	750	190 0 0	3000	201 0 0	19/16
19/15	78·9	·596	2270	300	221 10 0	600	231 0 0	3000	242 10 0	19/15
19/14	97·4	·644	2730	300	263 5 0	600	272 0 0	3000	288 0 0	19/14
19/13	128·0	·716	3490	300	330 15 0	600	342 0 0	3000	373 0 0	19/13
19/12	165·0	·788	4380	300	405 0 0	600	417 0 0	3000	450 0 0	19/12
37/16	122·0	·702	3320	300	319 10 0	600	331 0 0	3000	362 0 0	37/16
37/15	154·0	·768	4095	300	383 10 0	600	396 0 0	3000	417 0 0	37/15
37/14	191·0	·836	4960	300	451 0 0	600	466 0 0	2500	532 0 0	37/14
37/13	251·0	·980	6600	300	573 15 0	600	602 0 0	2500	658 0 0	37/13
37/12	321·0	1·080	8175	300	714 5 0	600	742 0 0	2500	816 0 0	37/12

Prices are subject to alteration without notice.

TWIN LEAD-COVERED CABLES (FLAT).



Size of each Conductor.	Current Carrying Capacity of each Conductor at 1,000 Amperes per square inch of sectional area.	CLASS 2. 750 Megohms. Minimum Insulation Resistance per mile.	CLASS 2. 750 Megohms. Price per mile (Twin).
			£ s. d.
1/20	1·0	2000	38 10 6
1/18	1·8	2000	45 8 6
1/16	3·2	2000	54 12 6
3/22	1·9	1250	53 9 6
3/20	3·0	1250	66 2 6
3/18	5·4	1250	87 8 0

No. 5993.

SPECIFICATION.

Two Conductors of H C. Tinned Copper Wires, insulated with Pure and Vulcanizing India-rubber. Each covered with rubbered tape, one red and one black; the two conductors then laid side by side and covered with a layer of black rubbered tape, and sheathed with a heavy covering of lead.

Prices are subject to alteration without notice.

Size of Conductor.	Current Carrying Capacity at 1,000 Amperes per square inch of sectional area.	CLASS 3. 3,500 Megohms. Minimum Insulation Resistance per mile.	CLASS 3. 3,500 Megohms. Price per mile (Twin.)
			£ s. d.
7/22	4·4	1250	73 0 0
7/21	5·6	1250	82 10 0
7/20	7·2	900	97 15 0
7/19	8·8	900	111 10 0
7/18	12·8	900	141 5 0
7/17	17·4	900	171 17 6
7/16	22·9	900	214 5 0
7/15	29·0	750	251 5 0
7/14	35·6	750	297 5 0

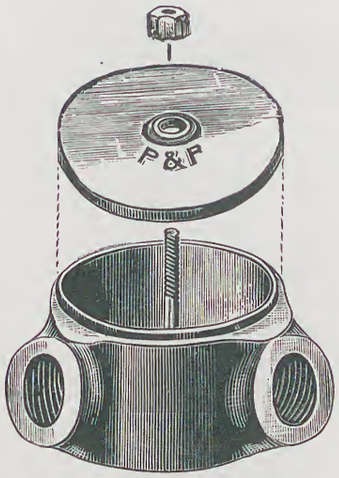
INTERIOR CONDUIT WIRING

AN IMPROVED SYSTEM OF ELECTRIC WIRING.

Suitable where a Water-tight Job is required.

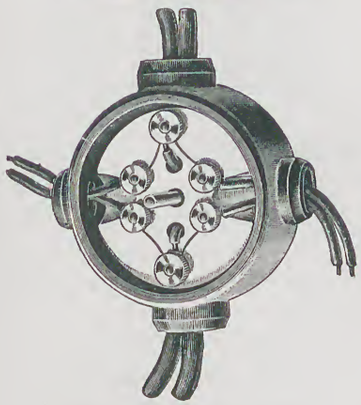
ALL FITTINGS SCREWED FOR IRON GAS TUBE.

CAST IRON.



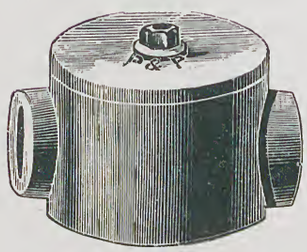
No. 5994. CORNER BOXES.

Tapped	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
Outside diameter	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{5}{8}$	$2\frac{7}{8}$	$3\frac{1}{2}$	7	7	7 ,,
Inside diameter.. ..	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{3}{16}$	$2\frac{1}{2}$	$3\frac{3}{16}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$,,
Width across	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	$3\frac{1}{8}$	4	$7\frac{5}{8}$	$7\frac{5}{8}$	$7\frac{5}{8}$,,
Depth overall	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{3}{4}$	$3\frac{3}{4}$	$3\frac{3}{4}$,,
Price, per dozen	**10/6**	**13/3**	**16/-**	**21/3**	**28/3**	**122/6**	**133/-**	**138/6**



No. 5995. JUNCTION BOXES.

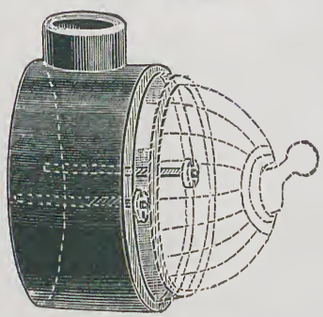
3 WAY tapped	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
Outside diameter	$2\frac{7}{8}$	4	4	4	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$,,
Inside diameter.. ..	$2\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	6	6	6 ,,
Width across	$3\frac{1}{2}\times3\frac{1}{8}$	$4\frac{7}{8}\times4\frac{7}{8}$	$5\times4\frac{7}{8}$	$5\frac{1}{8}\times4\frac{5}{8}$	$5\frac{1}{8}\times4\frac{5}{8}$	8×7	8×7	8×7 ,,
Depth overall	$2\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{4}$	$4\frac{1}{4}$	$4\frac{1}{4}$,,
Price, without fuses, per doz.	**19/6**	**33/9**	**41/-**	**46/-**	**60/-**	**133/-**	**143/9**	**154/-**
,, with fuses, ,,	**46/-**	**60/-**	—	—	—	—	—	—
4 WAY								
Outside diameter	$2\frac{7}{8}$	4	4	4	4	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$ inch.
Inside diameter.. ..	$2\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	6	6	6 ,,
Width across	$3\frac{1}{2}\times3\frac{1}{2}$	5×5	5×5	$5\frac{1}{4}\times5\frac{1}{4}$	$5\frac{1}{4}\times5\frac{1}{4}$	8×8	8×8	8×8 ,,
Depth overall	$2\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{4}$	$4\frac{1}{4}$	$4\frac{1}{4}$,,
Price, without fuse, per doz.	**24/9**	**39/-**	**48/-**	**67/6**	**71/-**	**154/-**	**170/-**	**193/6**
,, with fuse ,,	**51/6**	**66/-**	—	—	—	—	—	—



No. 5996. DRAW BOXES.

Tapped	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
Outside diameter	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{3}{8}$	$2\frac{7}{8}$	$3\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$,,
Inside diameter.. ..	$1\frac{3}{4}$	$2\frac{3}{16}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{3}{16}$	6	6	6 ,,
Width across	3	$3\frac{1}{8}$	$3\frac{1}{4}$	$3\frac{1}{2}$	$4\frac{1}{2}$	8	8	8 ,,
Depth overall	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{3}{4}$	$3\frac{3}{4}$	$3\frac{3}{4}$,,
Price, per dozen	**10/6**	**13/3**	**16/-**	**21/3**	**28/3**	**122/6**	**133/-**	**138/6**

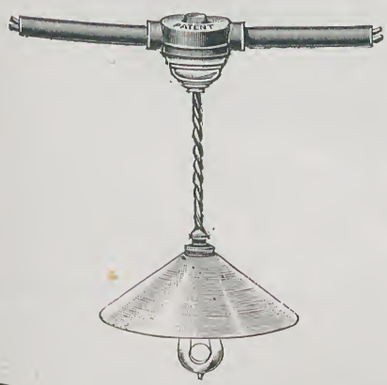
TUBES to be used in connection with the system quoted for upon application.



No. 5997. SWITCH BOXES.

One Way	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Outside diam.	$2\frac{3}{4}$	$2\frac{3}{4}$	3	$3\frac{3}{4}$
Inside diam	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$3\frac{1}{4}$
To take Switch	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$
Depth	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Width across	3	$3\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$
Price per doz.	**10/6**	**13/3**	**15/-**	**23/-**

Two Way	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Outside diam.	$2\frac{3}{4}$	3	3	$3\frac{3}{4}$
Inside diam.	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$3\frac{1}{4}$
To take Switch	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$
Depth	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Width across	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$
Price per doz.	**12/6**	**16/-**	**19/6**	**28/3**



No. 5998 CEILING ROSE BOXES same sizes and prices as Switch Boxes.



No. 5999. EBONITE INSULATORS.

For $\frac{3}{8}$ Iron Tube to receive $\frac{5}{8}$ Brass Lamp Holder .. **10/6** per doz.

,, $\frac{1}{2}$,, ,, ,, $\frac{5}{8}$,, ,, ,, .. **10/6** ,,

For Tubes specially Rodded and Reamered, prices on application.

FUSEBOARDS.

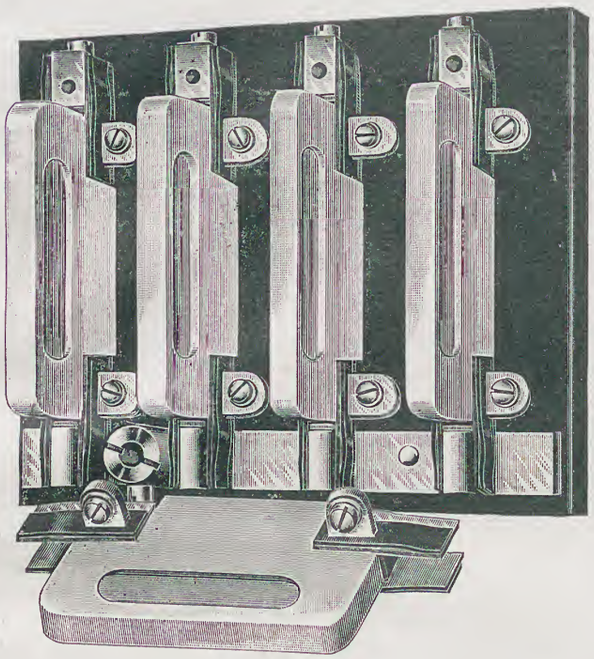
5 Amperes per way.

Porcelain Base.

High Insulation.

Delivery from Stock.

Write for Prices of Switchboards.



English Workmanship and Material Throughout.

Good Contact.

Each Fuse is in Separate Chamber.

Best High Voltage Board on the Market.

THE "HI-VOLT" Fuseboard is designed for use on High Voltage circuits. The length of fuse is 1¾ ins., and the bridges are of the best English Porcelain. The contacts are fitted with double springs so as to ensure good contact. Each fuse is in separate chamber formed by the porcelain bridge fitting right down to the porcelain base.

No.	In Case,	2	3	4	5	6	7	8	9	10	11	12 way.	
42.	Single Pole,	**6/-**	**7/6**	**9/3**	**10/9**	**12/9**	**14/9**	**17/3**	**19/3**	**22/-**	**23/6**	**25/6**	each.
45.	Double Pole,	**10/6**	**12/9**	**15/9**	**18/9**	**22/3**	**26/-**	**30/-**	**33/6**	**37/3**	**41/-**	**44/9**	,,

With Single Pole Switches.

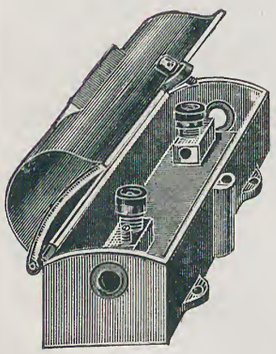


Distributing Fuseboards Complete in Teak Cases.

Ways.	No. 46. Single Pole Fuse.	No. 47. Double Pole Fuse.	
2	**25/6**	**30/-**	per board.
4	**34/-**	**42/9**	,,
6	**44/9**	**57/6**	,,
8	**59/6**	**76/9**	,,
10	**84/-**	**96/-**	,,
12	**89/6**	**115/-**	,,

FUSES IN CAST IRON CASES.

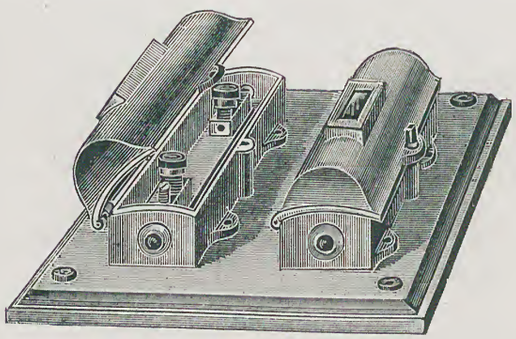
FOR MOTOR AND POWER WORK.



No. **48**.

Single Pole Fuse with Sealing Terminal.

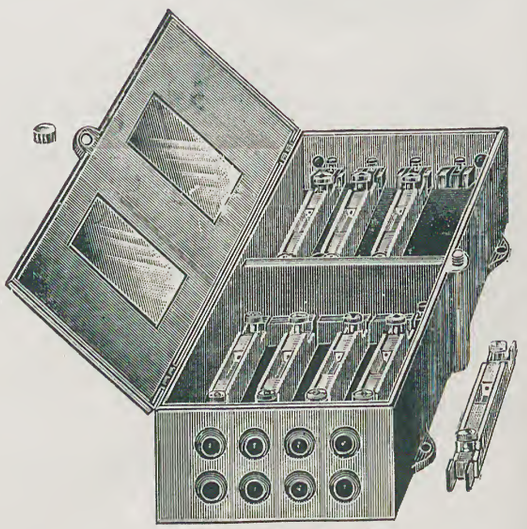
25 Amps. .. **8/3** each.
50 ,, .. **11/-** ,,
100 ,, .. **12/9** ,,



No. **49**.

Double Pole on Wood Base with Insulating Fixing Holes.

25 Amps. .. .. .. **19/3** each.
50 ,, ... **24/6** ,,
100 ,, ... **28/6** ,,



No. **410**.

Fireproof Fuseboards in C.I. Cases. Double Pole.

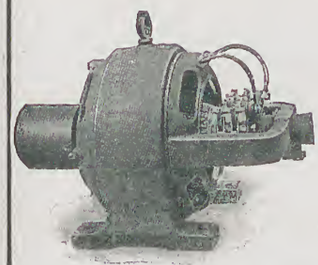
3	4	5	6	7	8	10 way.	
27/3	**32/6**	**40/-**	**47/3**	**55/6**	**64/-**	**79/-**	each.

10 Amperes per way in C.I. case with Sealing Terminal.

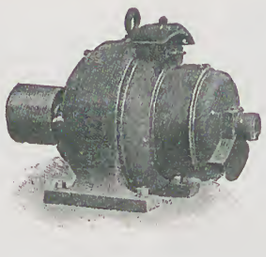
CAN BE TAPPED FOR IRON BARREL IF REQUIRED.

OPEN and ENCLOSED TYPE MOTORS.

110 or 220 Volts.



No. **411**. Open Protected.



No. **412**. Enclosed.

MOTORS, OPEN AND ENCLOSED TYPES. (2 Pole.)

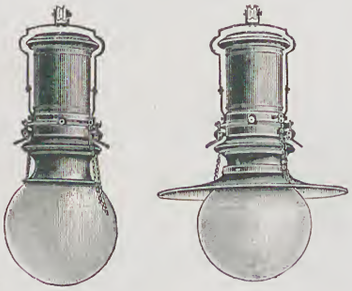
110 or 220 Volts.

H.P.	¼	½	¾	1	1½
R.P.M.	1700	1600	1600	1500	1500
No. **411**	£14 8 0	£16 16 0	£20 0 0	£24 0 0	£28 0 0
No. **412**	£15 12 0	£18 0 0	£21 4 0	£25 12 0	£29 12 0

each.

ARC LAMPS.

ENCLOSED TYPE.



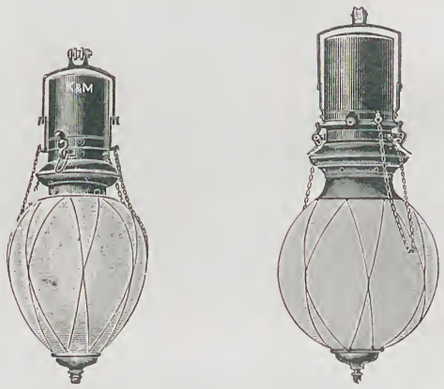
No. **413**.

Amperes, 4, 5 or 6.
Burning Hours, 100.
Price £**6 8 0** each.
Reflector **12 0** ,,
Gilding **8 0** ,,

Will burn in parallel or two or more in series.

Suitable for in or outdoor use.

OPEN TYPE.

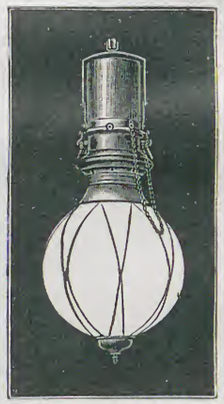


No **414**.

3-9 Amperes	9½ hours	£**6 0 0**	each.
	12 hours	£**6 8 0**	,,
5-15 Amperes	14 hours	£**7 0 0**	,,
	17 hours	£**7 8 0**	,,
Round Globes		**2/6** extra.	
Reflector 20 in.		**9/9** ,,	
Ornamental Finish		**13**/- to **24**/- extra.	
Gilding		**8**/- extra.	

FLAME ARC LAMPS.

Excello Type.

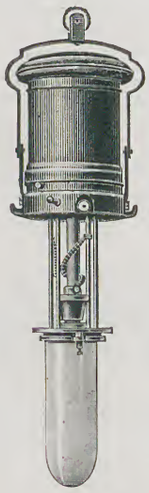


No. **415**.

8, 10 or 12 Amperes 12 hours £**11 4 0**
8, 10 or 12 Amperes 22 hours £**13 12 0**

These Lamps are the most efficient lamps ever constructed, and burn absolutely steady and give a sunbeam illumination, very suitable for all outdoor and many indoor purposes.

PROCESS ARC LAMPS.



No. **416**.

For Photography, Engraving, Blue Printing, etc.

Quoted for on receipt of particulars, as the type and finish differ with the requirements of each process.

MINIATURE ARC LAMP.



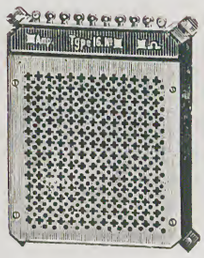
No. **417**.

Amperes 1½ 2 2½
Burning Hours 18-22.
Price £**3 4 0**
Bronze Cover **8 0** extra.
Rainproof Cover **4 0** ,,

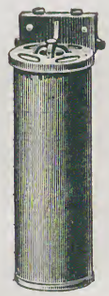
Will burn in parallel or two in series.

No. **418**. { Resistances 100-120 Volts, **6/6**; ,, 200-230 ,, **10**/-; ,, 240-250 ,, **12**/-

ARC LAMP RESISTANCES.



No. **419**.



No. **420**.

No. **419**.

Resistance Coils. Open Type.

3 to 15 Amperes, 250 Watts **14/6**
,, ,, 350 Watts **21/9**
,, ,, 500 Watts **28**/-
,, ,, 700 Watts **40**/-

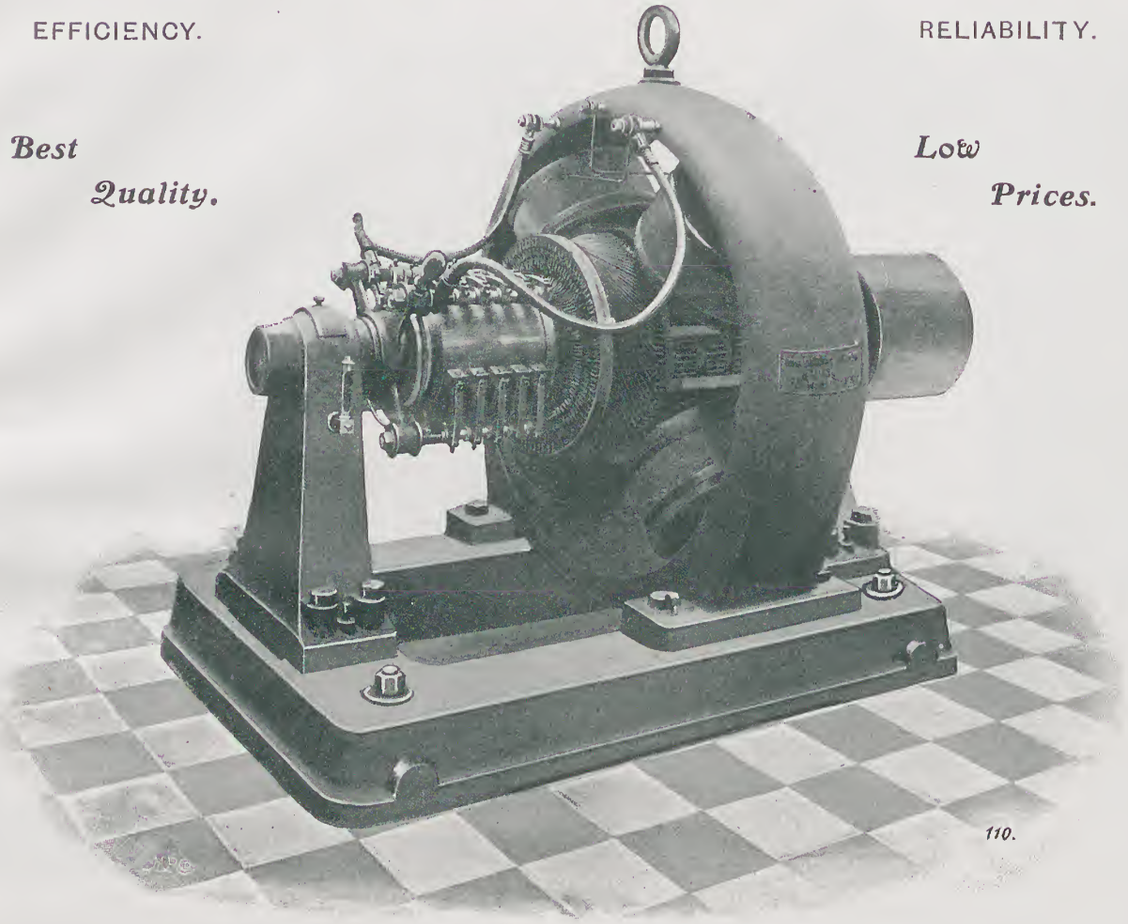
No. **420**. Rainproof Type, **9/6** extra.

DYNAMOS AND MOTORS.

Open Type.

EFFICIENCY. RELIABILITY.

Best Quality. *Low Prices.*



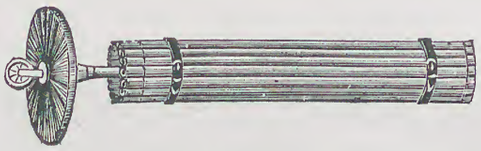
OPEN TYPE (4-Pole Machines).

Kilo Watts.		1	2	3	3¾	4½	7	9	11½	14	18	23	29	37	46	57	69	86	Diameter.	Width.	Price for Shunt or Series Winding Open Type.	Slide Rails.
Amps at 115 v.		10	17	25	32	40	60	80	100	120	160	200	250	320	400	500	600	750				
Amps at 230 v.		5	8½	12½	16	20	30	40	50	60	80	100	125	160	200	250	300	375				
No. of 55 Watts Lamps		18	36	54	69	82	128	164	210	255	330	420	530	675	830	1020	1250	1560				
No.	Sizes.																				£ s. d.	
421	17	1150	1800																5	3	**30 15 0**	**30/6**
422	25		1400	1740															6	3½	**38 5 0**	**30/6**
423	32		1050	1340	1650														6¼	4	**42 5 0**	**30/6**
424	40			940	1250	1570													7	5	**46 0 0**	**30/6**
425	60				760	1000	1470												8	7	**57 10 0**	**45/9**
426	80					690	1050	1320											8	7	**65 5 0**	**45/9**
427	100						770	1000	1250										9	8½	**76 12 6**	**53/6**
428	130							800	880	1150									9	8½	**92 0 0**	**53/6**
429	160								630	790	1030								10	9	**126 10 0**	**53/6**
430	200									575	760	940							11	10½	**161 0 0**	**73/-**
431	250										540	710	890						12½	10¼	**184 0 0**	**73/-**
432	320											510	675	840					13½	11	**207 0 0**	**73/-**
433	400												475	630	790				16	11	**260 15 0**	**94/6**
434	500													445	590	730			18	14	**295 0 0**	**94/6**
435	600														415	550	680		20	14	**337 0 0**	**130/-**
436	750															380	500	630	21½	16	**383 0 0**	**130/-**
H.P. as Motors,		1¼	2¼	3⅓	4½	5½	8¼	11	13½	16½	22	27	34	44	55	69	82	103				

Any of the above Machines can be run as Motors, the speed being Reduced by about 10 per cent.
The approximate brake horse powers are given above.
The Speeds underlined are those of the Machines usually kept in Stock.

All Coils are Jinney Wound and parts are interchangeable. Machines for 400, 500 or 550 volts quoted for upon receipt of details and speeds.
Quotations for Direct Current, Mono and Polyphase, Generators, Motors, Transformers, Boosters, Converters, etc., for all voltages and conditions will be sent on receipt of full particulars.

CHIMNEY SWEEPING MACHINES.



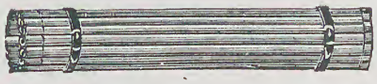
Consisting of Whalebone Head with Cup and Wheel, Canes and pair of Straps.

		40	50	60 ft. set.
Set **437.**	Best Quality	**44/6**	**53/3**	**62/3** per set.
Set **438.**	Second Quality	**40/9**	**46/3**	**53/3** ,,
Set **439.**	Third Quality	**32/-**	**38/3**	**44/6** ,,

SWEEPS' RODS AND FITTINGS.



No. **442.**



No. **440.** Canes with Brass Screws and Sockets.

Lengths,	2 ft. 6 ins.	2 ft. 9 ins.	3 ft.	3 ft. 6 ins.	4 ft.	4 ft. 6 in.	
Price,	**1/10**	**2/-**	**2/3**	**2/6**	**3/-**	**3/6**	each.

No. **441.** Straps **1**/- per pair extra.



No. **443.**

No. **442.** Whalebone Heads with Brass Wheel, Cup and Screw.

Sizes,	8	10	12	14	16	18	20	22	24 ins.	
	9/9	**11/6**	**13/3**	**15/3**	**17/3**	**20/-**	**22/-**	**26/-**	**32/9**	each.



No. **444**

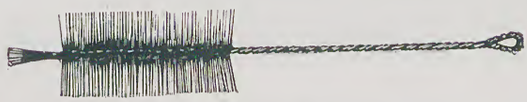
No. **443.** Whalebone Heads with Brass Eyes Top and Bottom for Ropes.

Sizes,	8	10	12	14	16	18	20	22	24 ins.	
	8/9	**10/9**	**12/6**	**14/3**	**16/-**	**17/9**	**19/6**	**25/-**	**28/6**	each.

No. **444.** Shovel .. .. **1/6** each.
,, **445.** Rope and Ball, 7 lb. Ball .. .. .. **4/6** ,,
Rope **2d.** to **4d.** per yard.
,, **446.** Hand Brush, Small .. .. **4**/- ,,
,, **447.** Turk's Head, 9 ins. .. .. **4/6** ,,

		3	4	5	6 ft.	
,, **448.**	Flue Brush	**2/6**	**2/9**	**3/3**	**3/6**	,,

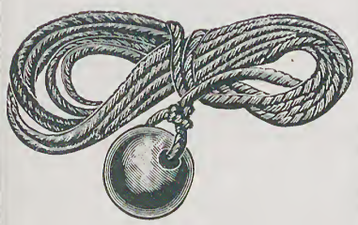
,, **449.** Sweep's Cloth, Large Size, 9 ft. × 8 ft. .. **9/9** ,,
,, ,, ,, Small ,, 6 ft. square .. **8/-** ,,



No. 448.



No. **446.**

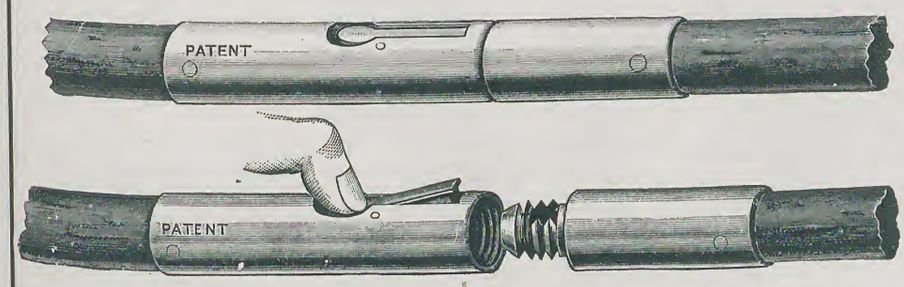


No. **445.**



No. **447.**

DRAIN RODS AND FITTINGS, PATENT "LOCKFAST" JOINTS.



No. **450.**

Patent "Lockfast" Joints fitted with Best Selected Malacca Canes, Brass Rivetted. Each Cane fitted to Joints without paring down.

Lengths,	2 ft.	2 ft. 6 ins.	3 ft.	3 ft. 6 ins.	4 ft.	4 ft. 6 ins.	5 ft.	
Prices,	**1/10**	**1/7**	**1/4**	**1/3½**	**1/2**	**1/1½**	**1/1**	per ft. run.

No. **451.** Bass Brushes .. 6 inch **2/9** .. 9 inch **4**/- each.
,, **452.** Whalebone Brushes ,, **3/3** .. ,, **4/9** ,,

DRAIN CLEANING TOOLS WITH PATENT "LOCKFAST" JOINTS.

No. **453.**	Brass Clearing Wheel and Cup	**6**/-	each.
,, **454.**	Spring Hook	**6/9**	,,
,, **455.**	Brass Clearing Wheel	**2/9**	,,
,, **456.**	Brass Universal Roller ..	**8**/-	,,
,, **457.**	Archimedian Screw	**6/9**	,,
,, **458.**	Jointed Scraper	**4/9**	,,
,, **459.**	Fixed Scraper	**4**/-	,,
,, **460.**	India-rubber Plunger, complete	**4**/-	,,
,, **461.**	Small Brass Cup for ditto ..	**2/9**	,,
,, **462.**	Solid G.M. Rollers	**6/9**	,,
,, **463.**	Double Worm Screw	**4**/-	,,
,, **464.**	Brush Head, complete	**8**/-	,,
,, **465.**	Large Brass Cup for ditto ..	**4**/-	,,

"GENERAL UTILITY" DRAIN SET.

SPECIAL LINE.

Designed for Country Mansions, Hotels, Farm and Private Houses. A choked Drain can be cleared by any man about the place.

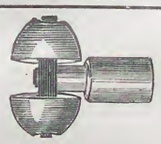
No. 468.



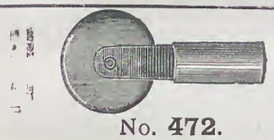
		30	40	60 ft.	
No. **466.**	Best quality Fittings, Brass Cup and Wheel, 6 in. Whalebone Head, Drop Scraper, Double Worm Screw, complete with Canes	**35/6**	**44/6**	**62/3**	per set.
,, **467.**	Second quality Fittings, Brass Cup, Wood Wheel, Drop Scraper & Plunger, complete with Canes	**28/6**	**35/6**	**49/9**	,,
,, **468.**	Third quality Fittings, as drawn above, complete with Canes	**21/3**	**28/6**	**42/9**	,,



No. **470.**



No. **471.**



No. **472.**



No. **477.**



No. **473.**

RODS.



No **440**. With Brass Screws and Sockets.

Lengths, 2 ft. 6 ins.	2 ft. 9 ins.	3 ft.	3 ft. 6 ins.	4 ft.	4 ft. 6 ins.
Price, 1/10	**2/-**	**2/3**	**2/6**	**3/-**	**3/6** each

No. **441**. Straps, **1**/- per pair extra.

BEST BASS BLOCK HEADS. FITTED.

No. **469.**

Sizes	6	9	12	15	18 ins.
Price	**1/9**	**2/-**	**2/9**	**3/-**	**3/9** each.

BEST WHALEBONE HEADS.

No. **442.** With Brass Wheel, Cup and Screw.

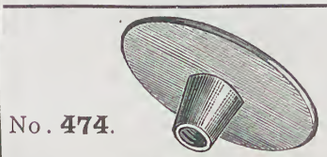
Sizes, 8	10	12	14	16	18	20	22	24 ins.
Price, 9/9	**11/6**	**13/3**	**15/3**	**17/3**	**20/-**	**22/-**	**26/-**	**32/9** each.

FITTINGS.

			Price.
No. **470**.	Clearing Wheel		**2/9** each.
,, **471**.	Universal ditto		**4/9** ,,
,, **472**.	Solid Gun-metal Clearing Wheel ..		**4/9** ,,
,, **473**.	Double Worm Screw and Wood Wheel		**2/9** ,,
		4 5	6 ins.
,, **474**.	India-rubber Plunger ..	**2/9** **3/-**	**4/-** ,,
,, **475**.	Drop Scraper, **3**/- (plain, No **478**). ..		**2/3** ,,
,, **476**.	Spring Hook		**4/6** ,,
,, **477**.	Archimedian Screw		**1/3** ,,



No. **442**.



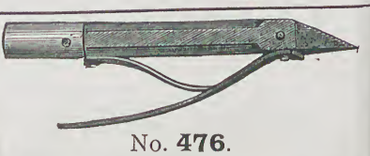
No. **474**.



No. **475**. Drop.



No. **478**. Plain.



No. **476**.

THE "VILLA" SET.



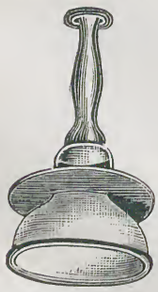


Selected ½ in. Rattan Cane, very flexible and strong and can be used for many purposes for which the stouter and more expensive Drain Machines are not adapted.

24 ft. Set (3 ft. Canes) including Double Worm Screw, and Whalebone Brush .. .. **19/3** set.
India-rubber Plunger to suit, **2/9** each. Brass "Universal" Clearing Wheel, **4/9** each. Double Worm Screw, **2**/- each.
Whalebone Brush, **2/3** each. Extra 3 ft. Canes, **1/11** each.

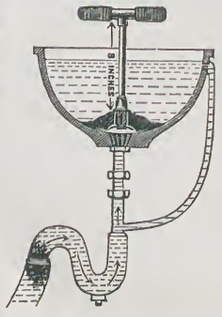
THE ABOVE MACHINES ARE SPECIALLY SUITED FOR CLEARING RAIN WATER PIPES, SINKS, FLUES, BOILER TUBES, &c.

FORCE CUP.

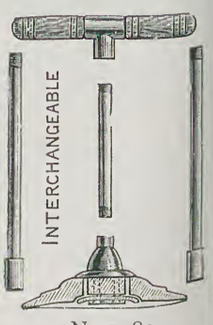


No. **479**. Small, for Lavatories and Sinks .. **1/9** each.
,, **480**. Medium, for Baths, **4/6** each.
,, **481**. Large, for Closets, **7/6** ,,

COOPER'S Patent Suction and Vacuum Pumps.



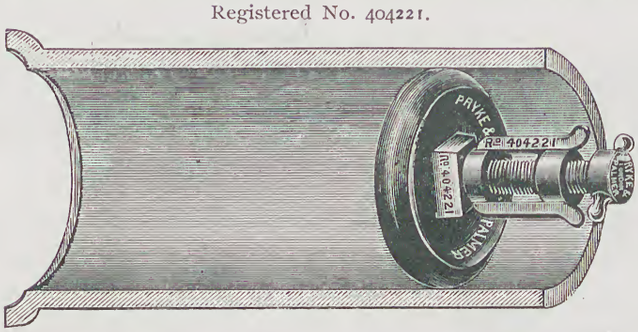
No. **482.**	Wood Handle, 2 ft. long ..	**10**/-	each.
,, **483.**	Interchangeable, Brass Rod	**14**/-	,,
,, **484.**	9 in. diameter	**42/9**	,,
,, **485.**	12 in. ,, ...	**56**/-	,,



No. 483.

IMPROVED EXPANDING SCREW PLUG STOPPER.

Registered No. 404221.



No. **486.**
With Brass Flanges and Gun-metal Screw, Nut and Cap.

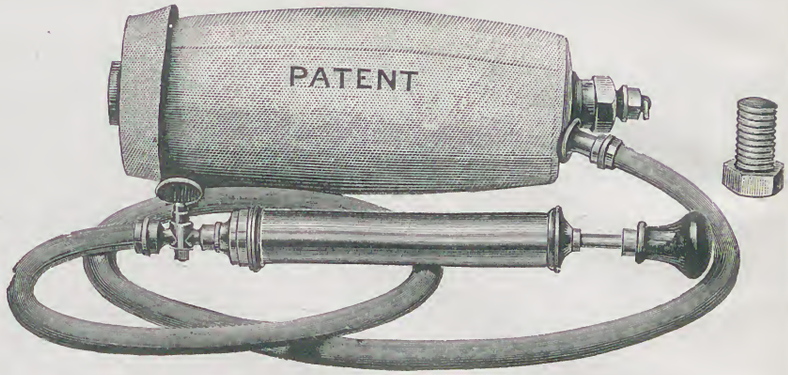
Sizes 4 6 9 ins.
11/9 **17/9** **53/3** each.

No. **487.**
With Galvanized Iron Flanges and Gun-metal Screw, Nut and Cap.

Sizes 4 6 9 ins.
9/9 **14/3** **22/9** each.

It will be readily seen (by above drawing) the simplicity with which the Plug may be screwed and expanded, owing to the Nut being lengthened and shaped suitable to the grip of the hand. The Nut cast on Flange enables user to hold tightly with Spanner while Plug is being screwed up and expanded.

PATENT FLEXIBLE BAG PIPE STOPPER.



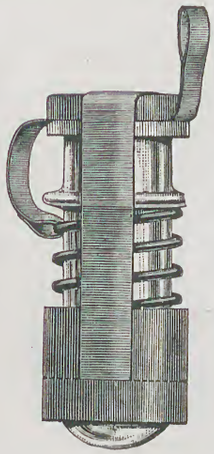
No. **488.**

Sizes 4 6 9 12 15 18 ins.
Prices **26/9** **29/3** **38/-** **51/3** **64/9** **78/-** each.

Air Pumps to inflate the Bags, **8/9** each.

Any Special Size can be made to order at a day or two's notice.

DRAIN TESTER.

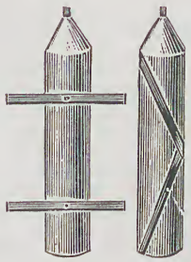


No. **489.**
KEMP'S PATENT DRAIN TESTER.

Supplied with String attached ready for use.

Price 1/- each.

SMOKE ROCKET.



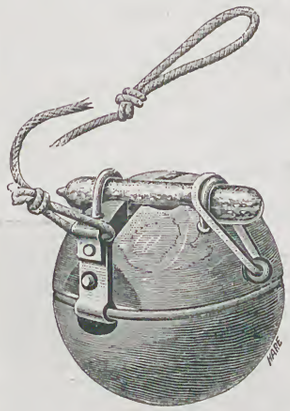
No. **490.**

Cheapest, Simplest and most Efficient Test yet invented.

Burn for several minutes and emit a dense volume of smoke.

Price 6/- per doz.
" **66/9** per gross.

POCKET DRAIN EXPLORER.



No. **491.**
Showing position of Explorer charged with Grenade.

Size only 2½ in. diameter.

Price 9/- each.

PATENT DRAIN GRENADE.



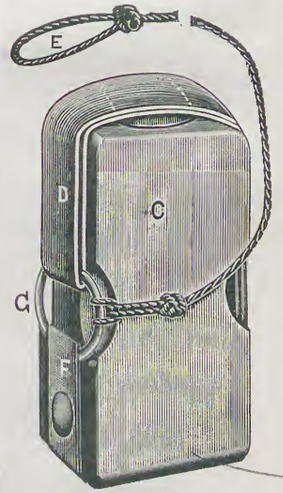
No. **492.**

Drawn actual size.

With Peppermint Filling, **8/-** per dozen.

With extra strong Compound, **8/-** per dozen.

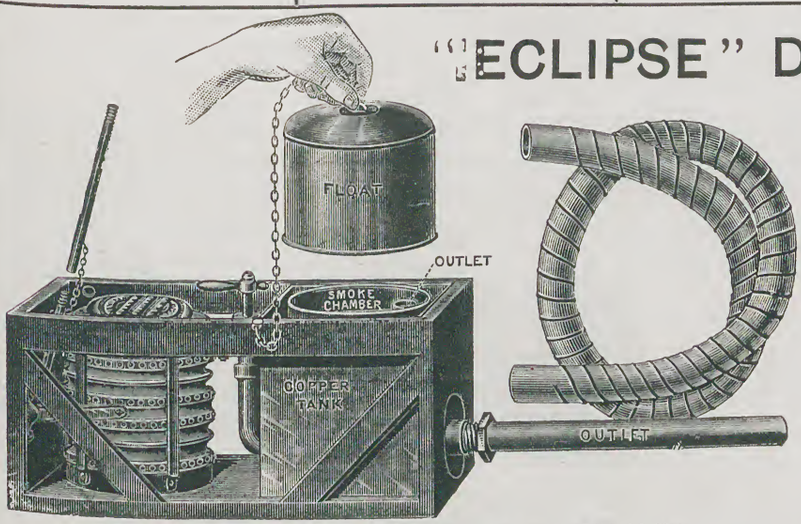
SELF-ACTING "RAPID" TESTER.



No. **493.**
Charged with a powerful, pungent and volatile Chemical.
Drawn actual size.
12/- Per dozen.

"ECLIPSE" DRAIN TESTING MACHINE.

No. **494.**



Original Machine, one-eighth full size. Weight 23 lbs.

Original "Eclipse" Drain Tester as shown, with Iron Pipe Outlet, but not including Rubber Hose .. .. **£5 0 0** each

Six-feet Length 1¼ in. Three-ply, special made, Asbestos Lined, Wired Hose, to withstand Heat, Finished Ends .. .. **16/9** per length

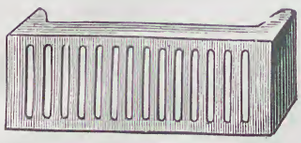
Deal Painted Case, to contain Machine, Plugs, Fumigating Material, and a few Tools, etc. **16/9** each.

Special Prepared Smoke Paper .. .. .. **8**d. per lb.

This is the best Smoke Generator, of any description whatsoever, which applies a **positive** test to drains. It consists of a double action bellows covered with specially prepared Leather, and a Copper Cylinder which, in applying the Smoke Test, is used as the Fire Box. The Cylinder is surrounded by a square Copper Tank which is filled with water, so as to keep the Fire Box as cool as possible. A deep Copper Cover or Float is placed over the Cylinder, and with the water forms an air-tight joint between them. An india-rubber tube of special composition to withstand considerable heat is connected to the outlet of the Machine and the drain to be tested, both ends being made perfectly tight, and all openings, such as Ventilation Pipes, plugged.

The Float rises with the action of the Bellows unless the drain leaks badly, and indicates correctly the condition of the drain. If it is tight the Float remains stationary; if it leaks the Float falls at a rate in proportion to the extent of the leak. The Machine will, of course, prove the drain without smoke, but should a leak exist smoke or some odorous liquid is applied to find it.

AIR BRICKS.

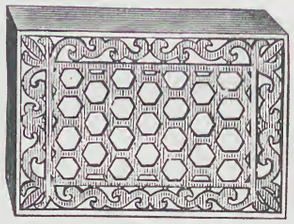


No. **495.** Cast Iron, Plain (as drawn).

	Medium.	Heavy.	Heavy Galvanized.	
9×3 ins.	**2/3**	**3/9**	**7/-**	dozen.
9×6 ,,	**8/6**	**9/6**	**19/-**	,,

No. **496.** Cast Iron, Fancy.

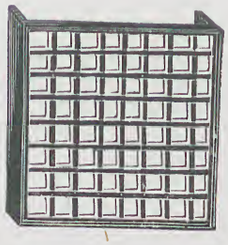
	Medium.	Heavy.	Heavy Galvanized.	
9×3 ins.	**2/9**	**4/-**	**7/6**	dozen
9×6 ,,	**8/-**	**10/-**	**20/-**	,,



No. **497.** Cast Iron, Ornamental.

Sizes, 9×6 12×6 12×9 12×12 ins.

12/6 19/- 23/6 27/- dozen.



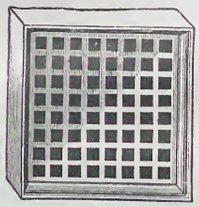
No. **498.** Cast Iron. School Board Pattern.

Sizes, 6×6 9×3 9×6 9×9 12×6 14×6 ins.

7/- 7/6 11/- 15/- 15/6 19/6 doz.

,, 12×9 12×12 14×9 18×9 ins.

21/- 25/- 25/- 28/6 ,,



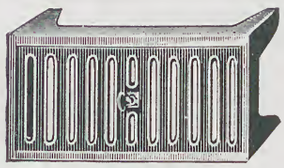
No. **499.** Salt Glazed.

Stoneware or Buff Terra Cotta.

Sizes, 9×3 9×6 9×9 12×9 12×12 ins.

7½d. 2/- 2/8 5/3 8/3 each.

Other Patterns and Sizes to order.



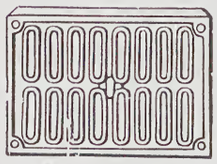
No. **4100.** Cast Iron Sliding Air Brick.

Sizes, 9×3 9×6 ins.

6/6 10/6 per dozen.

Sizes, 6×18 9×18 9×24 12×24 12×36 15×36 ins.

4/6 6/- 7/6 10/- 13/6 16/- each.

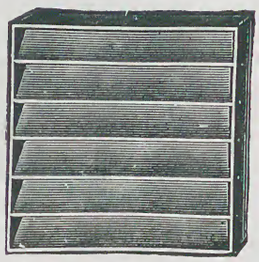


No. **4101.** Cast Iron.

Hit-and-Miss Sliding Vent.

Sizes, 9×6 9×9 12×6 12×9 14×9 ins.

1/8 2/3 2/- 2/6 3/- each.

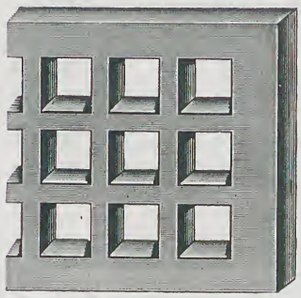


No. **4102.** Cast Iron.

Louvre Air Brick, Black.

Sizes, 6×6 9×6 9×9 12×9 14×9 ins.

1/6 2/6 3/3 4/- 6/- each



No. **4103.**

SANDED BRASS Ventilating Grating.

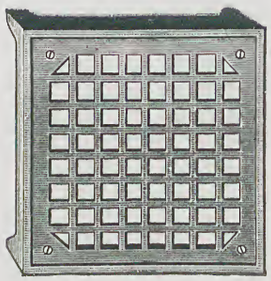
Sizes, 2½ 3 4 4½ 6 ins. wide.

6/- 6/6 9/- 10/6 15/6 per ft.

No. **4104.** Diamond Pattern.

Sizes, 3 3½ 4 ins wide.

6/6 8/- 9/- per ft.



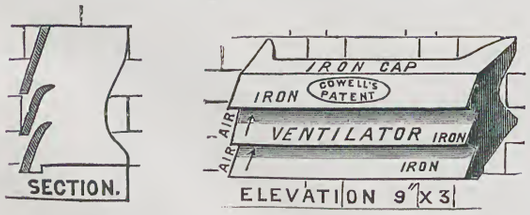
No. **4105.** Cast Iron.

Air Brick with Removeable Front.

Sizes, 9×6 9×9 12×9 ins.

Prices, 12/- 18/- 24/- per doz.

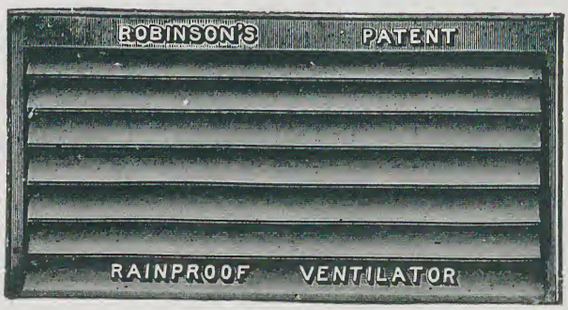
COWELL'S PATENT VENETIAN VENTILATOR.



No. **4106.** Cast Iron.

Sizes ..	9×3	9×6	12×6 ins.	
	3	5	5	Louvres.
Painted ..	**8/-**	**15/-**	**22/-**	per dozen.
Galvanized ..	**13/-**	**24/-**	**37/-**	,,

PATENT STEEL LOUVRE RAINPROOF AIR BRICK.



No. **4107.** Galvanized.

Sizes, 9×3 9×6 9×9 12×6 12×9 12×12 ins.

1/4 2/3 3/3 2/9 4/- 5/6 each.

STEP RISERS, VENTILATING & AREA GRATINGS (Cast Iron).



No. **4108.** $\frac{3}{8}$ in. thick.

Sizes ..	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5 in. wide.
42 ins. long	**1/9**	**2/-**	**2/3**	**2/6**	**2/9** each.
48 ,, ,,	**2/-**	**2/3**	**2/6**	**3/-**	**3/3** ,,
Cut Lengths	**7**d.	**8**d.	**9**d.	**10**d.	**1/-** per ft.



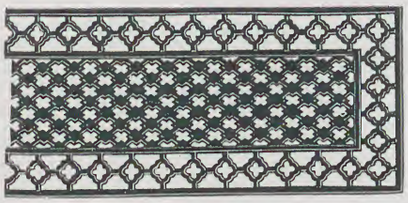
No. **4109.** $\frac{1}{4}$ in. thick.

24	36	$47\frac{1}{2}$ ins. × $2\frac{7}{8}$ ins. wide.
9d.	**1/2**	**1/4** each.



No. **4110.** Centre, $\frac{1}{4}$ in. Border, $\frac{1}{8}$ in. thick.

$4\frac{3}{4}$	$5\frac{7}{8}$	7	$8\frac{1}{4}$ ins. × 4 ft. long and under.
2/6	**2/9**	**3/3**	**4/-** each.

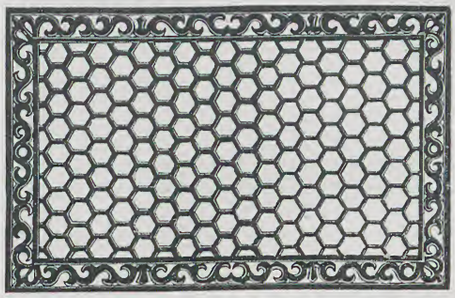


No. **4111.** $\frac{1}{2}$ in. thick. 12 ins. wide.

18 24 36 and 48 in. lengths.

1/9 per ft.

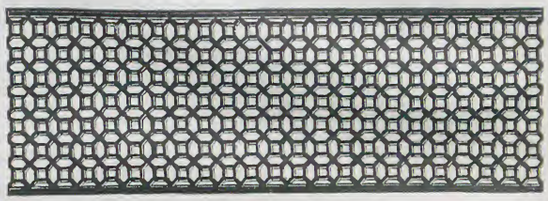
Also made both ends open and both ends closed.



No. **4112.** $\frac{1}{2}$ in. thick. In 3 ft. lengths.

9	10	12	18	24 ins. wide.
1/9	**2/-**	**2/3**	**3/9**	**4/9** per ft.

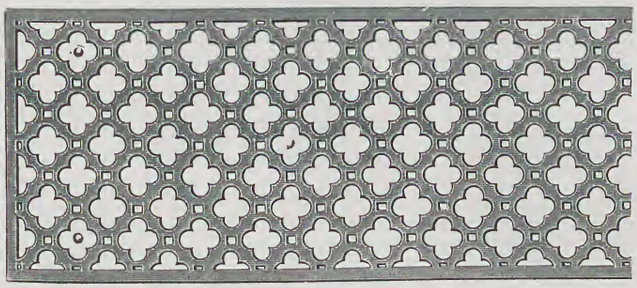
Open or closed ends.



No. **4113.** $\frac{5}{8}$ in. thick. In 3 ft. 6 in. lengths.

6	7	$8\frac{1}{2}$	9	12	15	18 ins. wide.
11d.	**1/1**	**1/4**	**1/6**	**1/8**	**2/-**	**2/6** per ft.

Cutting to shorter lengths, **9**d. each Grating extra.



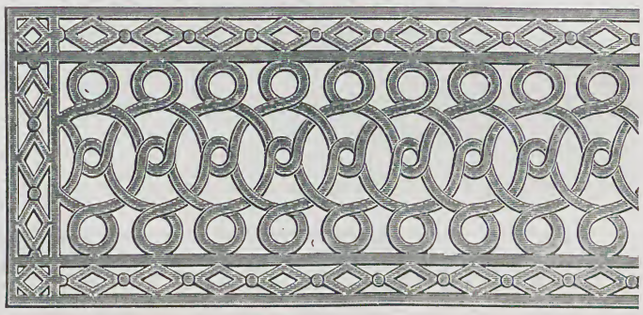
No. **4114.** $\frac{3}{8}$ in. thick.

Sizes 6 × 48 6 × 50 $8\frac{1}{2}$ × 47 $8\frac{1}{2}$ × 50 9 × 49 12 × 49 ins.

$13\frac{1}{2}$ × 49 21 × 48 25 × 33 ins.

36/- per cwt.

Approximate weight, $6\frac{1}{2}$ lb. per superficial foot.



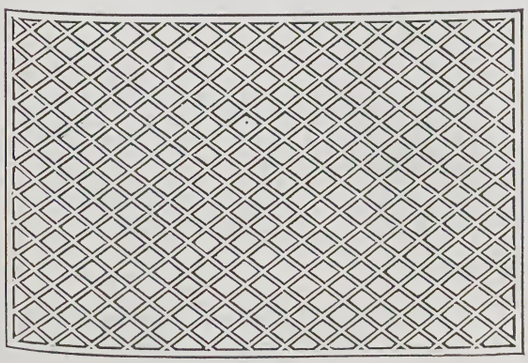
No. **4115.** $\frac{3}{8}$ in. thick.

Sizes 13 × 13 13 × 40 13 × 42 13 × $46\frac{1}{2}$ 13 × 49 13 × $51\frac{1}{2}$ ins.

36/- per cwt.

Approximate weight, 6 lb. per superficial foot.

AREA GRATING.



No. **4116.**

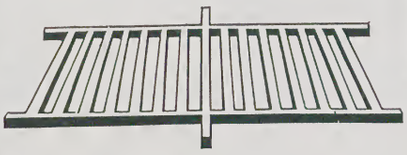
1 in. thick. $1\frac{3}{4}$ in. mesh.

60 ins. long or less.

18 24 30 36 ins. wide.

4/- per foot super.

AREA GRATING.



No **4117.** Cast Iron.

Frames, $1\frac{3}{4}$ in. thick.

Bars, $1\frac{1}{4}$ in. ,,

Bars, $\frac{5}{8}$ in. broad, 1 to $1\frac{1}{4}$ in. apart.

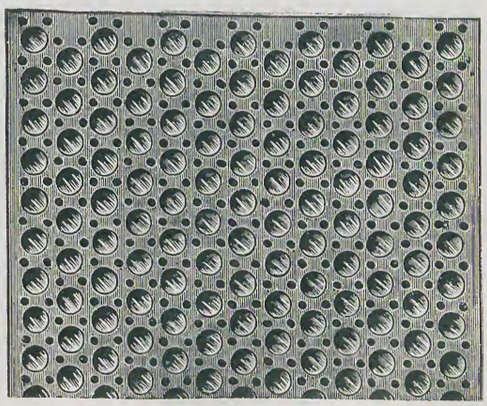
Average weight 20 lb. per square foot.

Stock sizes, **20/6** per cwt.

WROUGHT IRON AREA GRATINGS

made to any specification.

GLASS BULL'S-EYE GRATING.



No **4118.**

Sizes .. 60 × $31\frac{1}{2}$ 70 × $37\frac{1}{2}$ 72 × 24 ins.

73/6 **89/6** **73/6** each.

Extra, for supplying and fixing Glass Bull's Eyes.

12/- per doz.

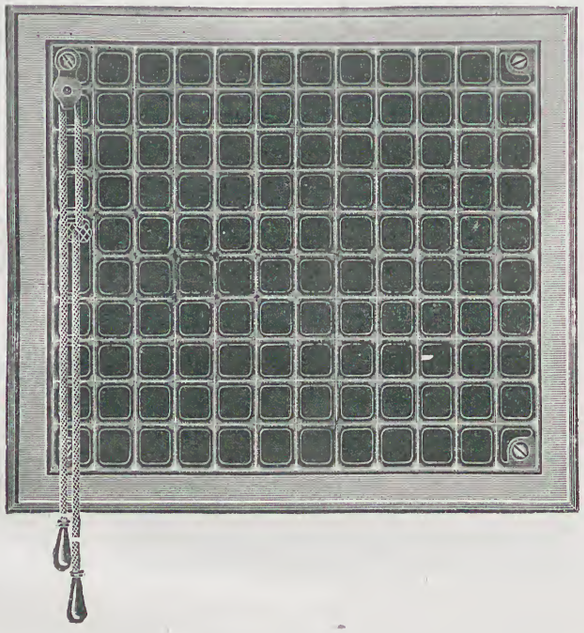
WROUGHT STEEL VENTILATOR.

No. **4119**.

Japanned Black.

Sizes.

6 × 6	**4**/- each.
6 × 8	**4/6** ,,
6 × 9	**4/9** ,,



No. **4119**.

Japanned Black.

Sizes.

8 × 10	**5**/- each
9 × 12	**5/9** ,,
10 × 12	**6/3** ,,

Carriage paid on orders of one dozen lots, assorted sizes.

These Ventilators being made entirely of Wrought Steel, breakage either in transportation, in stock, or in use, is practically impossible.

They are light in weight with a consequent Saving in Carriage.

The Operating Slide is made of very heavy guage steel, and is especially strong to ensure against breakage and guaranteeing a free and positive operation.

Each Ventilator is packed in a separate cardboard box, and is furnished with one Brass Pulley (no cords or tassels).

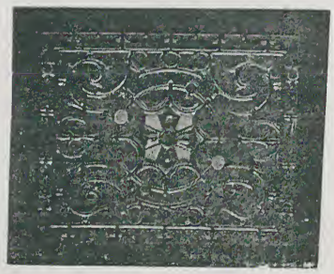
"UNIVERSAL" VENETIAN VENTILATOR.

For the introduction of Fresh Air through an External Wall, or the egress of Vitiated Air by Flues or Special Outlet.

Ventilators are highly finished in enamel black or gold. They act as "outlet" or "inlet," by simply reversing them when fixing. The Venetians can be set at any angle, and will remain in that position without the aid of a cleat hook.



Outlet Section.

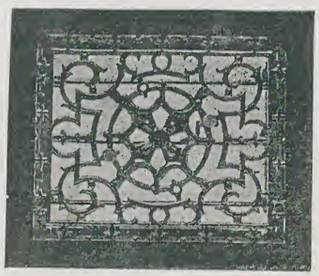


Pattern A—Shut.

Pattern A

(Self-indicating).

The Revolving Centre shows at a glance the position of the valves, whether open or closed.

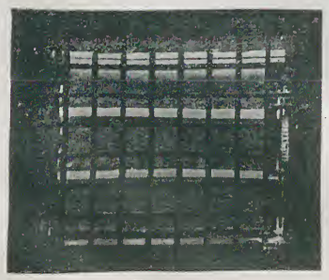


Pattern A—Open.



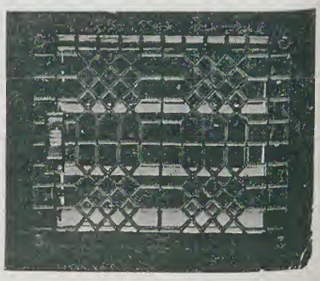
Inlet Section.

No. **4120**.



Pattern B

	Sizes.	10×8	12×10	14×12	18×12 in.
Pattern A.	Berlin Black	**6/9**	**7**/-	**9/3**	**17/3** each.
	Gold Bronze	**9**/-	**12**/-	**16**/-	— ,,
Pattern B.	Berlin Black	**5**/-	**5/9**	**8**/-	— ,,
	Gold Bronze	**9**/-	**10/3**	**14/3**	— ,,
Pattern C.	Berlin Black	**5**/-	**5/9**	**8**/-	— ,,
	Gold Bronze	**9**/-	**10/3**	**14/3**	— ,,



Pattern C.

IMPROVED "SHERINGHAM" VENTILATOR.

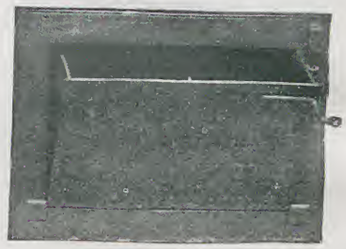
The Patent "Sheringham."


Section.









		Size of Box	9×3	9×6	13½×6	15×10 ins.
		Size of Front	11½×5½	11×8½	16×8½	19×14 ins.
No. 4121.	Plain Iron		**4/-**	**5/6**	**7/-**	**23/-** each.
No. 4122.	Japanned Bronze Iron		**5/-**	**6/6**	**8/-**	**27/6** ,,
No. 4123.	White and Gold Iron		**6/-**	**8/-**	**10/9**	**30/9** ,,
No. 4124.	Galvanized Iron		**5/6**	**7/6**	**9/3**	**29/9** ,,

Prices include Balance Weight, 3 yards Cord, and Leading Pulley.

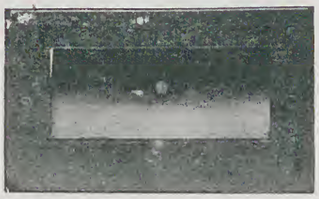
ARNOTT'S VALVES—OUTLETS.

For Insertion into the Chimney Breast, to carry off the Heated and Impure Air from the top of the Room.

PLAIN FRONTS, without Trellis or Set Screws. **ORNAMENTAL FRONTS, with Cast Trellis.**

L Pattern.





O Pattern.



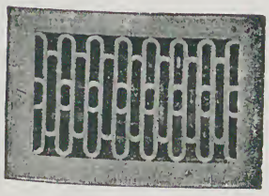
P Pattern.

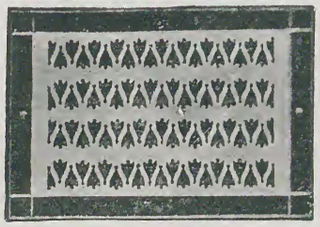


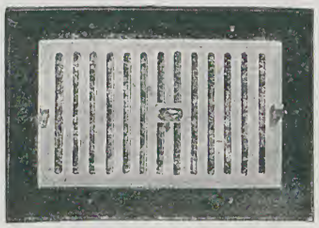
			L Pattern.			O Pattern.	P Pattern.
		Size of Box	8½×3¼	9×6	14×8	9×5	10×5 ins
		Size of Front	9½×3¾	11×8	16×9	10×6	11×6 ,,
No. 4125.	Plain Iron		**7/3**	**8/9**	**14/-**	**7/3**	**7/3** each.
No. 4126.	Japanned bronze Iron		**9/-**	**10/9**	**16/9**	**9/-**	**9/-** ,,
No. 4127.	Galvanized Iron		**9/3**	**11/3**	**18/-**	**9/3**	**9/3** ,,

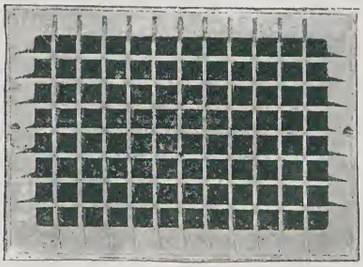
IMPROVED MICA OUTLET VENTILATORS.

For the discharge of Heated and Vitiated Air from Rooms into the Smoke Flue.


Iron Fronts.


Brass Trellis Fronts.


Brass Hit and-Miss Fronts.

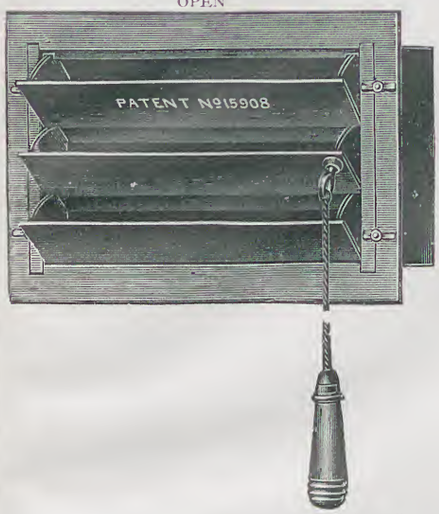

School Board Pattern.

		Sizes of Fronts	11×5	11×7	11×9	11×11	16×11 ins.
No. 4128.	Iron Fronts		**2/6**	**3/6**	**5/6**	**6/6**	**9/6** each.
,, ,,	,, ,,	Japanned Bronze Iron	**3/-**	**4/6**	**6/3**	**7/9**	**11/-** ,,
,, ,,	,, ,,	White and Gold or Galvanized	**3/6**	**5/-**	**6/9**	**9/-**	**12/3** ,,
No. 4131.	Brass Trellis Fronts		**4/6**	**6/3**	**8/9**	**11/-**	**16/6** ,,
No. 4132.	Brass Hit-and-Miss Fronts		—	**12/3**	**16/6**	**19/9**	**27/6** ,,
No. 4133.	School Board Pattern, Extra Strong Galvanized		11×7 **6/6.**	11×9 **9/3.**	11×11 **12/3.**	16×11 **16/6.**	14×14 **16/6.** 20×14 **30/3** each.

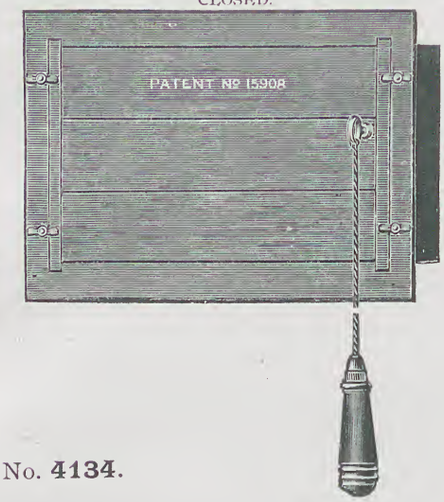
PATENT AUTOMATIC LOUVRE VENTILATOR.

Simplest, Best and Most Perfect Louvre Known. Rain-proof.

OPEN



CLOSED.

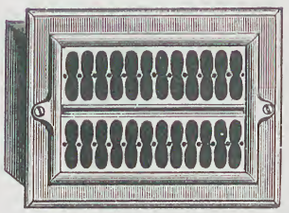


No. **4134.**

Sizes.	9 × 3	× 4½	deep	**4/3**	each.
	9 × 6½	× 4½	,,	**5/6**	,,
	9 × 10	× 6	,,	**6/9**	,,
	14 × 10	× 6	,,	**8/-**	,,
	18 × 10	× 6	,,	**10/6**	,,

SILK FLAP VENTILATORS.

For prevention of down draught in Air Extracting Shafts.



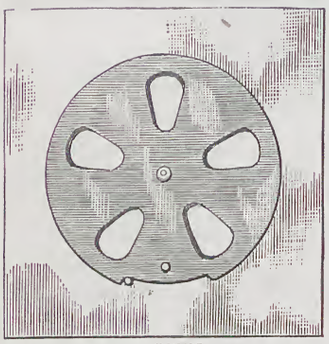
	Size of Front	11½×5½	11×8½	11×11½	15½×11½ in.
	,, ,, Box	9×3	9×6	9×9	13½×9 in.
No. **4135.**	Plain Iron	**4/-**	**7/-**	**8/9**	**10/9** each.
,, **4136.**	Jap'd Bronze	**4/9**	**8/4**	**10/9**	**12/9** ,,
,, **4137.**	Brass Front	**9/3**	**16/9**	**24/-**	**36/-** ,,

IMPROVED CIRCULAR GLASS VENTILATORS.

Full price allowed for Packing Cases if returned within one month, Carriage Paid.

NOT ACCOUNTABLE FOR BREAKAGES IN TRANSIT.

No. **4138.**



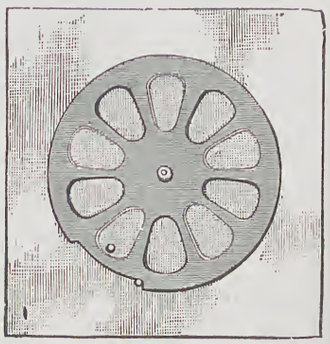
OPEN.

Superficial Measurement. ft.	in.	26 oz. Sheet.	32 oz. Sheet.	Polished Plate.	
1	0	**18/9**	**20/-**	**22/9**	each.
1	3	**21/3**	**23/-**	**26/-**	,,
1	6	**24/-**	**26/-**	**30/-**	,,
1	9	**26/9**	**29/-**	**32/9**	,,
2	0	**29/3**	**32/-**	**36/-**	,,
2	3	**31/9**	**34/9**	**39/-**	,,
2	6	**34/-**	**37/3**	**42/-**	,,
2	9	**36/3**	**40/-**	**45/-**	,,
3	0	**38/9**	**42/9**	**48/-**	,,
3	3	**40/9**	**45/-**	**50/9**	,,
3	6	**42/9**	**47/3**	**53/3**	,,

Superficial Measurement. ft.	in.	26 oz. Sheet.	32 oz. Sheet.	Polished Plate.	
3	9	**44/9**	**49/9**	**56/-**	each.
4	0	**46/9**	**52/-**	**58/9**	,,
4	3	**48/3**	**54/-**	**61/-**	,,
4	6	**50/-**	**56/-**	**62/9**	,,
4	9	**51/9**	**58/-**	**65/9**	,,
5	0	**53/3**	**60/-**	**66/9**	,,
5	3	**54/-**	**61/3**	**68/9**	,,
5	6	**54/9**	**62/9**	**70/9**	,,
5	9	**55/3**	**64/-**	**72/9**	,,
6	0	**56/-**	**65/3**	**74/9**	,,

Intermediate sizes charged in proportion.

No. **4138.**

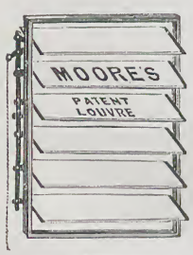


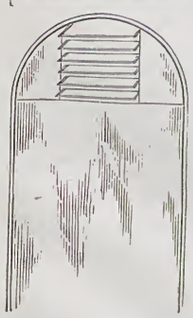
SHUT.

N.B.—In ordering these Ventilators, the description of Glass required, and the Height and Width in Rebates must be distinctly stated; also, if the Circles are desired in any particular position, such should likewise be mentioned, as the Manufacturers will not be answerable for errors in same if such are omitted.

These Ventilators are finished in a superior manner, and can be fitted to any size plates without removal of Glass from Sash by sending them to the Works, and can be completed the same day by previous arrangement. The risk in cutting these Ventilators is taken by the Manufacturers.

IMPROVED GLASS LOUVRE OR VENETIAN VENTILATORS.





Fitted with Screws.

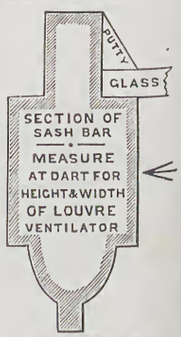
1st. Quality—Brass Frames and Cast Brass Levers, Improved Metal Springs (for closing) Polished Plate Glass, edges rounded and polished.

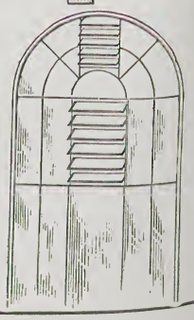
2nd. Quality—Zinc Frames, Cast Brass Levers, Improved Springs, Patent Plate Glass, edges rough ground.

3rd. Quality—Zinc Frames and Levers, India-rubber Springs and Sheet Glass, for temporary use.

Nos.	**4139.**	**4140.**	**4141.**	
Inches.	1st Qual.	2nd. Qual.	3rd. Qual.	
6×12	**26/6**	**18/9**	**10/9**	each.
9×12	**29/9**	**21/-**	**12 9**	,,
12×12	**33/3**	**23/3**	**14/9**	,,
12×15	**37/9**	**26/3**	**16/9**	,,
12×18	**42/9**	**29/6**	**18/9**	,,
12×21	**47/3**	**32/9**	**20/9**	,,
12×24	**52/3**	**36/-**	**22/9**	,,
12×30	**61/9**	**42/3**	**26/9**	,,

Nos.	**4139.**	**4140.**	**4141.**	
Inches.	1st. Qual.	2nd. Qual.	3rd. Qual.	
15×15	**42/9**	**29/6**	**18/9**	each.
15×18	**47/3**	**32/9**	**20/9**	,,
18×18	**52/-**	**36/-**	**22/9**	,,
18×24	**61/9**	**42/3**	**26/9**	,,
18×30	**71/3**	**48/9**	**30/9**	,,
24×24	**71/3**	**48/9**	**30/9**	,,
24×30	**80/9**	**55/-**	**34/9**	,,

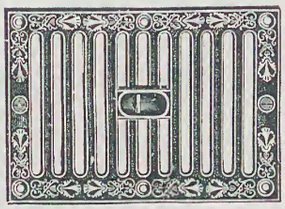




Church Quarry Ventilators except where there is lead glazing, charged at first quality price.

The dimensions of all Louvre Ventilators should be taken from the Sight Line of Sash Bars, not in the Rebate. Also state if the Putty is inside or outside.

SLIDING VENTILATING GRATES.



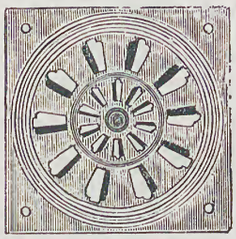
No. 4142. Cast Iron.

With Slide as drawn.

Varnished.

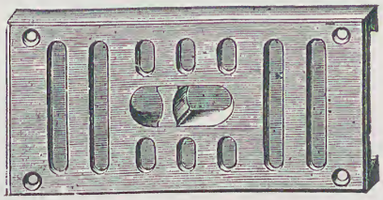
Sizes, 6×3¼ 9×3¼ 9×6½ 12×6½ ins.
6/9 9/3 14/9 24/- per dozen.

OPENING AND SHUTTING VENTILATORS.



No. 4146.
Opening and Shutting Vent, Cast Iron.
Sizes, 4 6 9 12 ins. square.
1/6 1/9 2/6 3/9 each.
No. 4147. Large Ornamental Pattern.
15 in. **7/6** each. 18 in. **12/3** each.

BRASS SUNK SLIDE VENTILATORS.



No. 4148.

Sizes, 4×2½ 6×3 6×4 6×6 8×4 ins.
2/3 3/9 5/3 7/6 6/3 each.
,, 9×4½ 9×6 9×9 12×6 12×9 ins.
8/- 9/3 15/- 13/9 20/9 each.

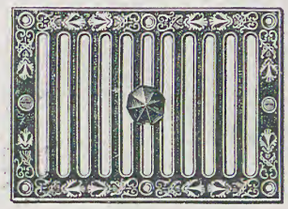
OPENING AND SHUTTING VENTILATORS.

Cast Iron.



No. 4143. For Woodwork.
Sizes, 6 9 12 ins.
Plain Casting **9/3 16/- 26/9** doz.
Varnished **11/3 21/3 34/9** ,,
No. 4144. For Brickwork.
Plain Casting **12/- 21/3 33/3** ,,
Varnished **16/- 26/9 42/9** ,,

SLIDING VENTILATING GRATES.



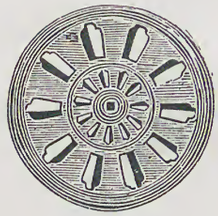
No. 4145. Cast Iron.

With Knob and Slide as drawn, or Lever and Slide for cord.

Varnished.

Sizes, 6×3¼ 9×3¼ 9×6½ 12×6½ ins.
8/3 12/9 20/- 26/6 per doz.

OPENING AND SHUTTING VENTILATORS.

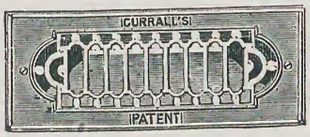


No. 4149.
Opening and Shutting Vent. Cast Iron.
Sizes, 4 6 9 12 ins. diam.
1/6 1/9 2/6 4/3 each.
No. 4150. Large Ornamental Pattern.
15 in. **7/6** each. 18 in. **9/-** each.

CURRALL'S PATENT VENTILATORS.

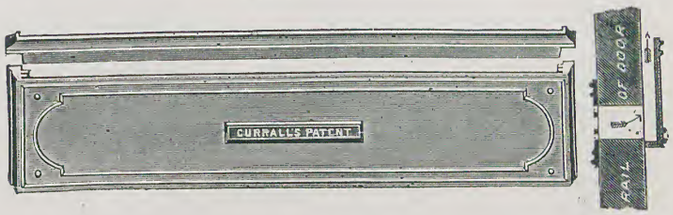
For Ventilation without Draught. In Bronzed Iron. Drawn One-sixth full size.

CHIMNEY BREAST OUTLET.



Sizes, 10 13 16 19 ins.
No. 4151. .. .. **2/9 3/9 5/3 7/6** each.

DOOR INLET.



12 15 18 24 ins.
No. 4152. With Cover .. **4/6 5/3 6/3 7/6** each.
No. 4153. Without Cover **2/3 3/- 3/3 4/6** ,,

PERFORATED PLATE FOR DOOR INLET.



12 15 18 24 ins.
No. 4154. .. .. **1/9 2/- 2/3 3/-** each.

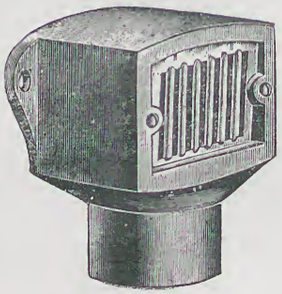
WINDOW INLET.

Showing current of fresh air.

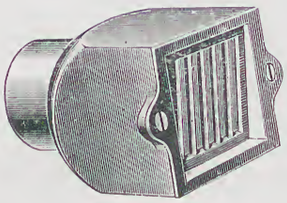


12 15 18 24 ins.
No. 4155. With Cover .. **3/3 4/- 4/9 6/3** each.
No. 4156. Without Cover **2/- 2/3 2/9 3/3** ,,

CAST IRON INLET VENTILATORS (MICA FLAPS.)

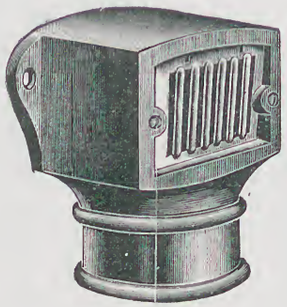


No. **4157.**
Vertical Spigot, Galvanized Iron, and Brass Fronts.
Size 4 ins. .. **3/6** each.
In one dozen lots, **36**/- dozen.
6 ins., as above.. **12**/- each.

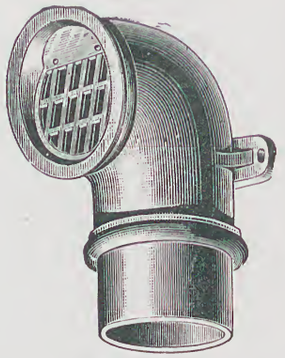


No. **4158.**
Horizontal Spigot, Galvanized Iron, with Brass Fronts.

Sizes, 3	3½	4 ins.
4/6	**4/6**	**4/6** each.



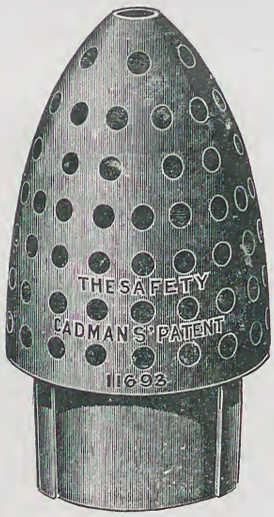
No. **4159.**
Vertical Socket, Galvanized Iron with Brass Fronts.
Size, 4 ins. .. **4/6** each.



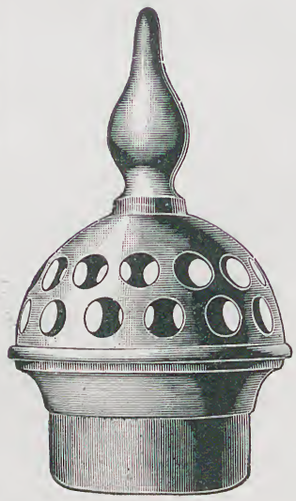
No. **4160.**
Round Pattern, Galvanized Iron with Cast Brass Fronts.

Sizes, 3	3½	4 ins.
4/-	**4/6**	**4/9** each.

SOIL PIPE CAPS AND VENTILATORS.



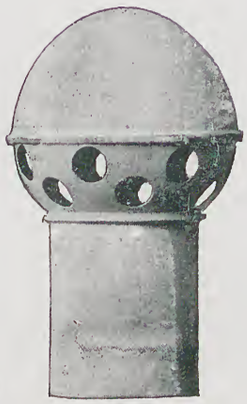
No. **4161.** Patent Top.
For Soil Pipe Shafts.
Galvanized Cast Iron, 4 ins.
19/3 per dozen.



No. **4162.** Copper.

Sizes, 2	2½	3	3½	4 ins.
14/3	**16/-**	**17/9**	**19/6**	**21/3**

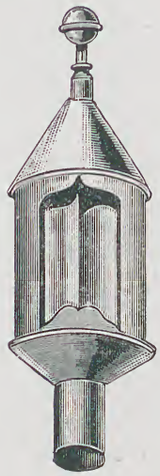
per dozen.



No **4163.** Copper.

Sizes, 2	2½	3	3½	4 ins.
16/-	**18/9**	**21/3**	**24/-**	**26/9**

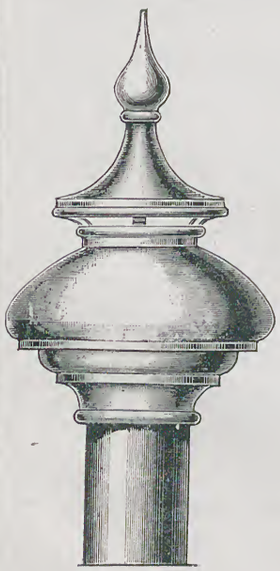
per dozen.



No. **4164.** Soil Pipe Vent.
Galvanized Sheet Steel, Painted.

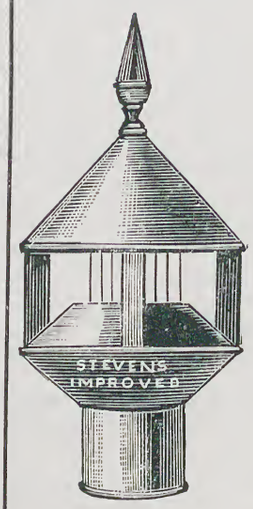
6 in diameter,	2 to 3 in. pipe,		**9/6**
8 in.	,,	3 to 4 in	,, **12/9**
10 in.	,,	4 to 5 in.	,, **16/-**
12 in.	,,	5 to 6 in.	,, **20/3**

each.



No. **4165.**
"PAGODA" SOIL PIPE VENTILATOR.
Diameter of Head, 9 ins.,
Diameter of Pipe, 3 ins. inside.
Hard Copper, **10**/-
Thick Zinc, **8**/- each.

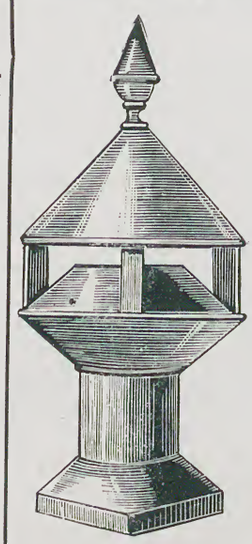
Diameter of Head, 12 ins.
Diameter of Pipe, 4 ins. inside.
Hard Copper, **14**/-
Thick Zinc, **10/9** each.



No. **4166.**
STEVEN'S SOIL PIPE VENTILATOR.
Size of Shaft.

2 ins.,	**2/9**	each.
3 ,,	**4/6**	,,
4 ,	**6/3**	,,
6 ,,	**9/9**	,,
8 ,,	**14/3**	,,
10 ,,	**21/3**	,.
12 ,,	**28/6**	,.

Galvanized Sheet Steel, Painted.



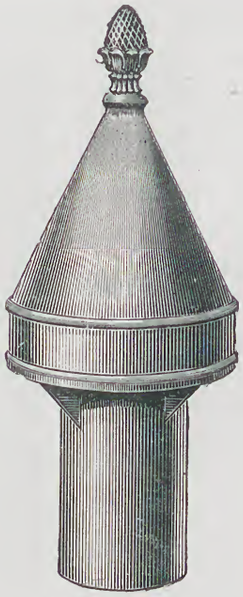
No. **4167.**
STEVEN'S EXHAUST VENTILATORS.

Size of Shaft.	Size of Square base.	Price
6 ins.	7½ ins.	**11/6**
8 ,,	10 ,,	**16/-**
10 ,,	12 ,,	**24/9**
12 ,,	15 ,,	**32/6**
15 ,,	18 ,,	**42/6**
18 ,,	22 ,,	**50/6**

each.

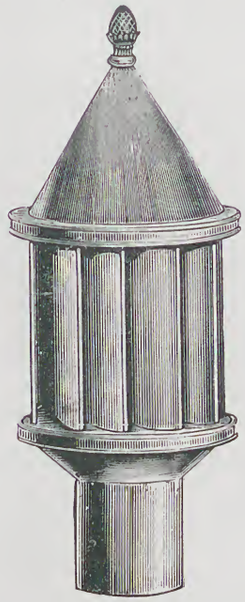
Galvanized Sheet Steel, Painted.

ROOF VENTILATORS.



No. 4168. "Premier."

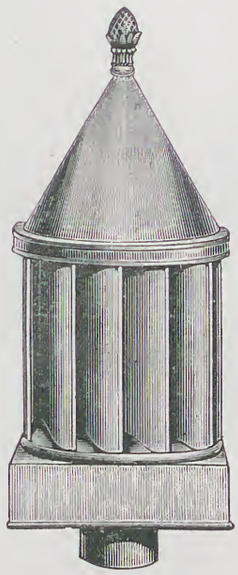
Diam. of Tube.	Diam. of Curtain.	Zinc.	Steel Galv. after manufacture.	Japanned Plain Colour.	
3 ins.	5 ins.	4/-	4/3	5/3	each.
3½ ,,	6 ,,	4/3	4/9	6/-	,,
4 ,,	7 ,,	4/9	5/-	6/9	,,
6 ,,	10 ,,	6/9	7/3	9/3	,,
8 ,,	14 ,,	9/3	10/-	12/9	,,
10 ,,	16 ,,	13/6	14/-	18/-	,,
12 ,,	18 ,,	18/-	18/9	23/6	,,
14 ,,	21 ,,	24/9	25/3	30/9	,,
16 ,,	24 ,,	34/9	35/3	42/-	,,
18 ,,	27 ,,	42/-	42/9	50/-	,,



No. 4169. "Vortex."

Round Pipe.

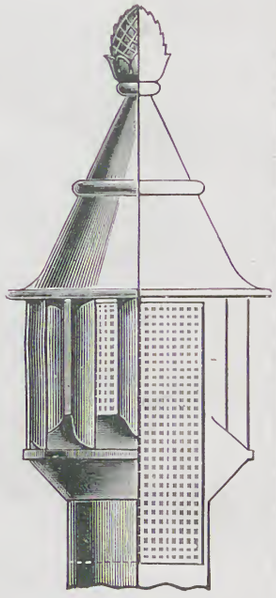
Outside D'a.	Dia. of Pipe.	No. 4169. Zinc Japanned.	No. 4169. Copper.
12 ins.	6 ins.	24/- ..	40/- ..
18 ,,	9 ,,	42/- ..	71/3 ..
24 ,,	12 ,,	72/- ..	134/6 ..
30 ,,	15 ,,	96/- ..	193/9 ..
36 ,,	18 ,,	120/- ..	250/- .
42 ,,	21 ,,	156/- ..	318/9 ..



No. 4170. "Vortex."

Square Base.

No. 4170. Zinc Japanned.	No. 4170. Copper.
28/9 ..	47/- each
48/- ..	87/6 ,,
78/- ..	150/- ,,
105/- .	225/- ,,
132/- ..	287/6 ,,
168/- ..	375/- ,,



No. 4171. "Vortex."

Showing Perforated Drum

No. 4171. Extra for Drum of Copper Gauze.

12	18	24	30	36	42 ins.
10/-	16/9	21/3	33/3	46/9	66/9 each extra.

BOYLE'S PATENT "AIR PUMP" VENTILATORS.

Manufactured by Robert Boyle & Sons, Limited.



No. 4172.

CHEAP PATTERNS.



No. 4173.

Galvanized Iron, Painted.

Dia. of Head. ins.	Dia. of Pipe. ins.	Dia. of Pipe recommended. ins.	No. 4172.	Roof Flange extra.	No. 4173.		Inside measurement of Base. ins. ins.
12	6 to 8	6	23/3	4/9	26/9	each.	9 × 9
14	7 ,, 9	7	28/-	5/3	33/3	,,	10½ × 10½
16	8 ,, 10	8	36/9	6/-	42/9	,,	12 × 12
18	9 ,, 11	9	43/3	7/-	50/9	,,	13½ × 13½
20	10 ,, 12	10	51/3	8/9	58/9	,,	15 × 15
24	12 ,, 14	12	70/-	10/9	76/9	,,	18 × 18
30	15 ,, 18	15	90/-	16/9	103/3	,,	22½ × 22½
36	18 ,, 21	18	120/-	23/3	140/-	,,	27 × 27
42	21 ,, 24	21	158/-	36/9	183/3	,,	31½ × 31½
48	24 ,, 27	24	200/-	50/9	226/9	,,	36 × 36



No. 4174.



No. 4175.

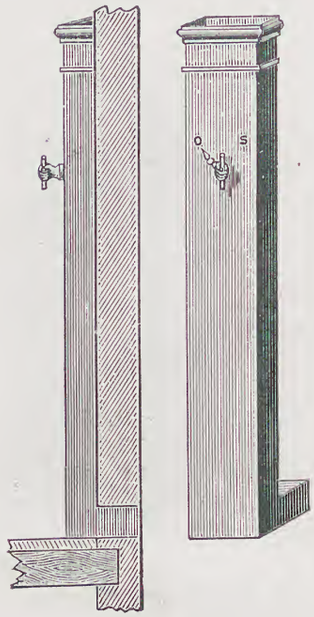
Galvanized Iron, Painted.

Dia. of Head. ins.	Dia. of Pipe. ins.	Dia. of Pipe recommended. ins.	Nos. 4174 & 4175.				Inside measurement of Base of No. 4174. ins. ins.
12	4 to 8	6	£1	13	3	each.	12 × 12
14	5 ,, 9	7	2	0	0	,,	14 × 14
16	6 ,, 10	8	2	16	0	,,	16 × 16
18	7 ,, 11	9	3	13	3	,,	18 × 18
20	8 ,, 12	10	4	13	3	,,	20 × 20
24	10 ,, 14	12	6	0	0	,,	24 × 24
27	11 ,, 16	14	7	0	0	,,	27 × 27
30	12 ,, 18	15	8	13	3	,,	30 × 30
36	15 ,, 21	18	11	13	3	,,	36 × 36
42	17 ,, 24	21	15	13	3	,,	42 × 42
48	20 ,, 28	24	19	16	9	,,	48 × 48
54	24 ,, 32	28	25	4	0	,,	54 × 54

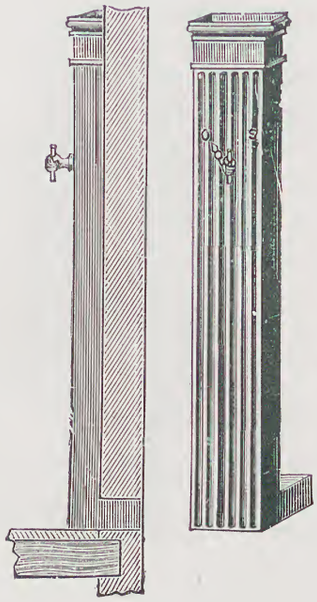
AIR INLET TUBES.



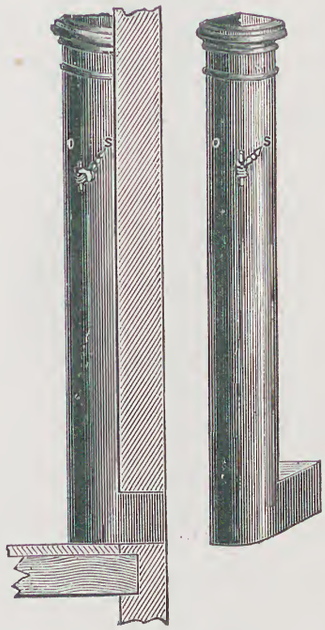
No. 4176. Plain.



No. 4177. With Handle.

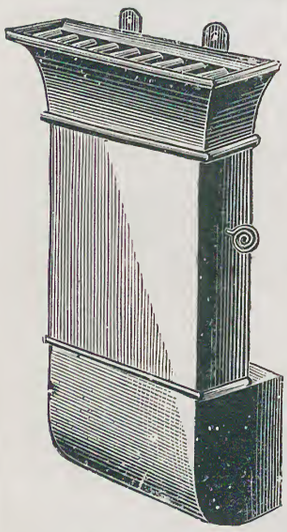


No. 4178. Fluted.



No. 4179. Corner.

	Heights, 5 ft. 6 in.	Section.	Plain Zinc.	Enamelled Zinc.	Polished Copper.
No. 4176.	Plain	6 × 3 in.	**13/6**	**19/-**	**32/-** each.
		9 × 4 „	**15/6**	**21/6**	**39/-** „
No. 4177.	„ With Handle	6 × 3 „	**19/-**	**30/6**	**54/-** „
		9 × 4 „	**21/3**	**34/-**	**60/-** „
No. 4178.	Fluted, „	7 × 3 „	**35/-**	**40/6**	**74/6** „
		9 × 4 „	**40/6**	**47/-**	**85/-** „
No. 4179.	Corner, „	6 × 6 „	**28/6**	**32/3**	**60/-** „
		8 × 8 „	**32/3**	**37/-**	**71/6** „



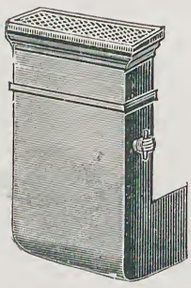
No. 4180.

ZINC AIR INLET BRACKET.

2 ft. 6 in. high.

Section, 9×4 **21/3** each.
„ 6×3 **16/3** „

Handles can be fixed at either side at same prices.



No. 4181.

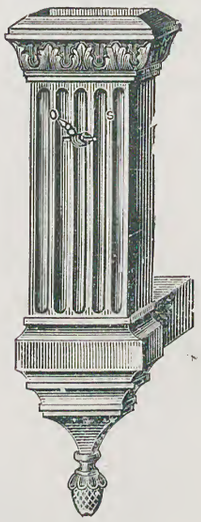
STEVEN'S LATEST IMPROVED AIR INLET BRACKET.

Zinc Painted.

To fit 9×6 Air Brick, **14/-** each.

To fit 9×9 Air Brick. **17/-** each.

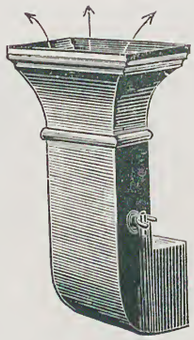
Special Sizes made to order.



No. 4182.

ORNAMENTAL INDEX WALL TUBE.

Length 30 42 54 ins.
Plain Zinc
40/6 43/6 46/- ea.
Enamelled Zinc
44/- 47/6 50/6 „
Polished Copper
85/6 92/6 100/- „
Without Valve, **6/-** each less.



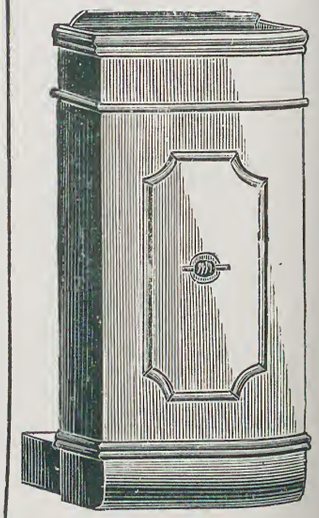
No. 4183.

ZINC AIR INLET BRACKET.

2 ft. 6 in. high.

Section, 9×4 in. **20/-** each.

Section, 6×3 in. **15/-** each.



No. 4184.

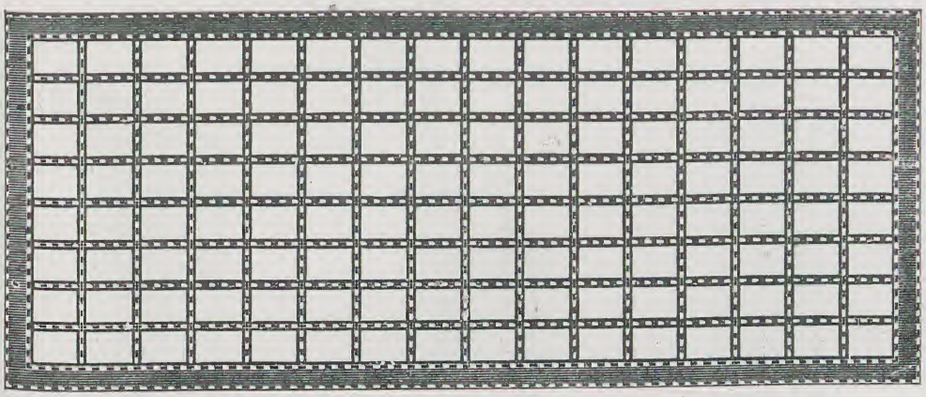
ZINC AIR INLET BRACKET.

Section.

9 in. × 4 in. × 2 ft. 6 in. high.

26/6 each.

PAVEMENT, STALLBOARD, & CELLAR FLAP LIGHTS.



No. 4185. Pavement Light. 4×3 lenses.

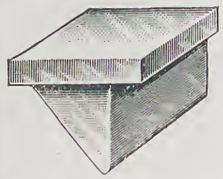
Stock sizes, including 1¾ Flanges (measured underneath).

No. of Lenses	2	3	4	5	6	7	8	9	10
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
Lengths ..	1 1½	1 6	1 10¾	2 3¼	2 8	3 0½	3 5⅛	3 9¾	4 2¼
Widths ..	0 11½	1 2⅞	1 6⅜	1 10	2 1½	2 5	2 8½	3 0	3 3

No. of Lenses	11	12	13	14	15	16	17	18
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
Lengths ..	4 7	4 11½	5 4⅛	5 8¾	6 1¼	6 5⅞	6 10½	7 3⅛
Widths ..	3 6½	3 10	4 1½	4 5	4 8½	5 0	—	—

Glazed with **Nos. 4189** and **4190** alternately,
6/9 per foot super.

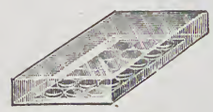
Glazed with **No. 4191** only,
5/6 per foot super.



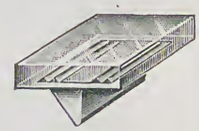
No 4189.



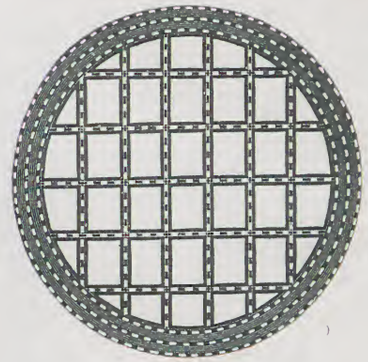
No. 4190.



No. 4191.



No. 4194.



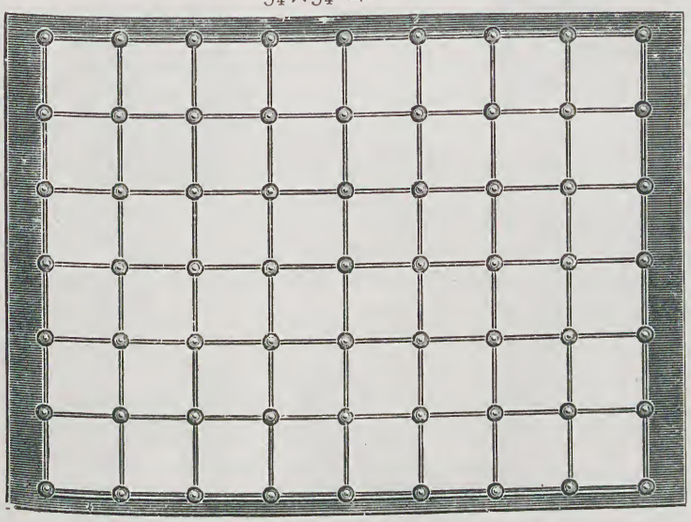
No. 4186.

Circular Light, with 4×3 Lenses.

	Sizes 18	24	30	36 in. dia.
Glazed with **Nos. 4189** & **4190** alternately ..	**15/9**	**27/6**	**42/6**	**60/-** each.
Glazed with **No. 4191** entirely	**12/9**	**22/6**	**34/3**	**50/-** ,,

STALLBOARD LIGHTS.

5¼×5¼ Lenses.



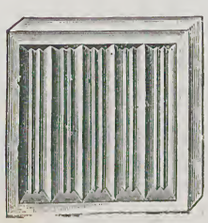
No. 4187.

Stock sizes, including 1½ in. Flanges (measured at back).

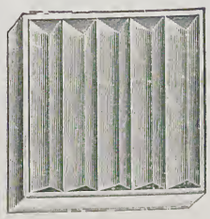
No. of Lenses	2	3	4	5	6	7	8
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. n.	ft. in.
Lengths ..	1 2	1 7¾	2 1¾	2 7½	3 1¼	3 7¼	4 1
Widths ..	1 2	1 7¾	2 1¾	2 7½	3 1¼	3 7¼	4 1

Glazed with **No. 4193** Reflecting Lenses,
6/9 per foot super.

Glazed with **No. 4192** Reflecting Lenses,
5/9 per foot super.



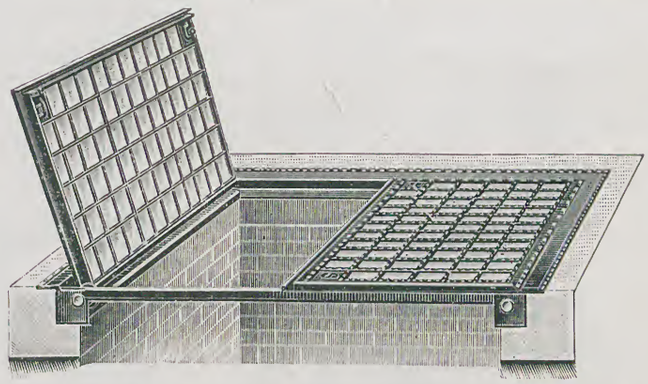
No. 4192.



No. 4193.

IMPROVED FOLDING CELLAR FLAP.

With Open Back Gutter Frame and Loose Back Bar
Flanges on Frames are 1¾ in. 4×3 Lenses.
Including Guard Bar and Bolt, and Painting one coat.



No. 4188. Stock sizes, measured over frames.

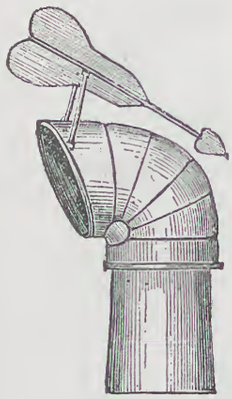
No. of Lenses	3	4	5	6	7	8	9	10
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
Lengths	3 2⅞	3 2⅞	3 2⅞	3 2⅞	3 7½	4 0	4 4⅝	4 9⅛
Widths	1 3¼	1 6⅝	1 10⅛	2 1⅝	2 5¼	2 8⅝	3 0⅛	3 3⅜

No. of Lenses	11	12	13	14	15	16	17
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
Lengths ..	5 1¾	5 6¾	5 11¼	6 3¾	6 3¾	6 3¾	6 3¾
Widths ..	3 7⅛	3 10⅝	4 2⅛	4 5⅝	4 9⅛	5 0⅝	5 4⅛

Glazed with **Nos. 4189** & **4190** alternately **10/-**
,, ,, **4194** entirely **9/3**
,, ,, **4190** entirely **8/3**
per foot super.

Can also be supplied with all round Gutter Frame at same prices and sizes as above.
Any of above lengths can be supplied to any of the above widths.

CHIMNEY COWLS, TALLBOYS, &c.



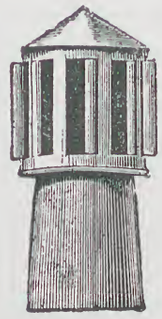
No. 4195.—"Lobster Back."

Sizes	4	6	9	10	12	in.
Zinc	6/3	6/9	7/9	8/6	10/3	ea.
Galv'd Iron	6/9	6/9	7/3	9/3	14/3	,,



No. 4196.—"Windguard."

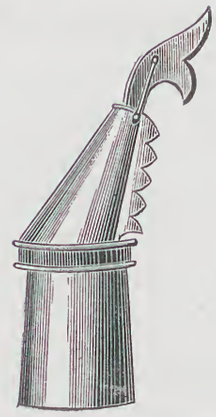
Sizes	4	6	9	10	12	in.
Zinc	10/-	11/9	13/3	15/6	22/6	ea.
Galv'd Iron	7/6	7/6	8/6	10/-	11/9	,,



No. 4197.

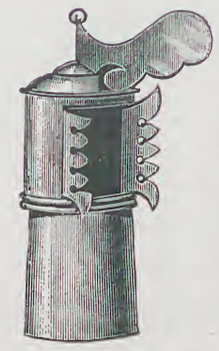
"Smoke Disperser."

Sizes	4	6	9	10	12	in
Zinc	6/3	6/9	7/9	8/3	9/6	ea.
Galv'd Iron	6/9	6/9	7/3	9/3	14/3	,,



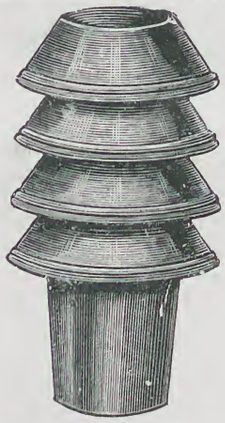
No. 4198.—"Malthouse."

Sizes	4	6	9	10	12	in.
Zinc	6/3	6/9	7/9	8/6	10/3	ea.
Galv'd Iron	6/9	6/9	7/3	9/3	14/3	,,



No. 4199.—"Brighton."

Sizes	4	6	9	10	12	in.
Zinc	8/-	8/6	10/3	11/3	14/9	ea.
Galv'd Iron	8/-	8/6	10/-	12/6	17/9	,,



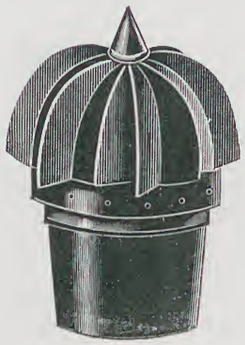
No. 4200.—"Louvre."

8 or 9 in. Stock sizes.
Galvanized Iron.

No. 4200.—Light.
2/9 each.

No. 4201.—Strong.
4/6 each.

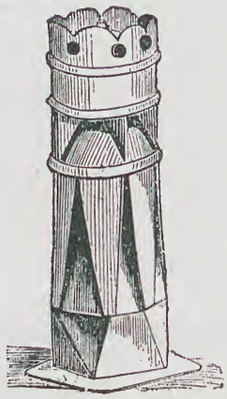
No. 4202.—9 in. Zinc.
10/9 each.



No. 4203.—"Helmet."

Galvanized Iron, Fitted with Oil Cup, adapted to slip in 9 in. Pot.

13/- each.

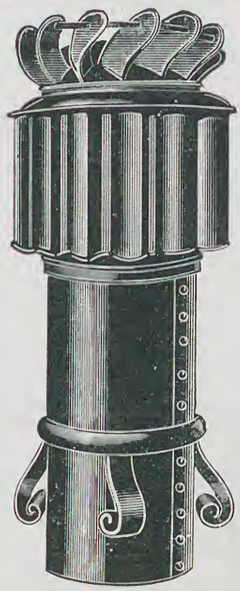


No. 4204.

"Carter's Windguard."

4 ft. 6 in. high. 10 × 10 in. base.
Zinc, **22/6**; Galv'd Iron, **30/-** each.

5 ft. high. 12 × 9 in. base.
Zinc, **25/-**; Galv'd Iron, **33/6** each.



No. 4205.

"Excelsior" Smoke Cure.
Galv'd Iron, **60/-** each.

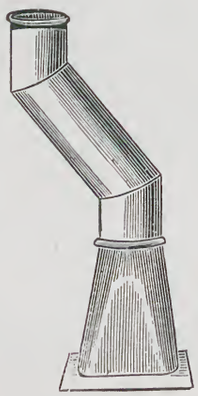


No. 4206.—Tallboy.

Straight.

Height,	Zinc.	Galv'd Iron.
5 ft.	**8/9**	**6/9** ea.
,, 6 ft.	**10/-**	**8/6** ,,
,, 8 ft.	**13/6**	**11/-** ,,
,, 10 ft.	**18/6**	**13/6** ,,

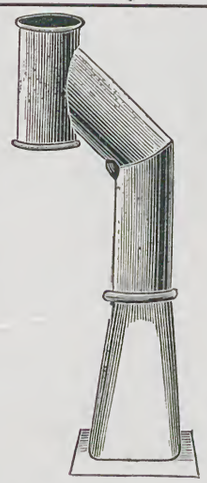
9 in. diam. Base, 12 or 14×9 in.



No. 4207.—Tallboy.

Elbow.

Height, 6 ft.
Base, 12 × 9 ins.
Zinc, **13/6** each.
Galv'd Iron, **12/6** ,,

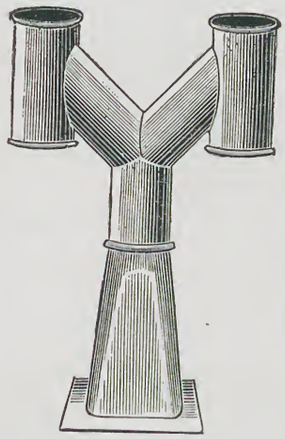


No. 4208.—Tallboy.

Elbow.

Height, 8 ft.
Base, 12 × 9 ins.

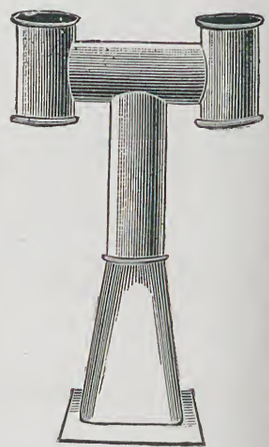
Zinc.	Galv'd Iron.
22/6	**12/6** each.



No. 4209.—Tallboy "Y."

Height, 6 ft. 6 ins.
Base, 12 × 9 ins.

Zinc.	Galv'd Iron.
30/-	**30/-** each.



No. 4210.—Tallboy. "T."

Height, 7 ft.
Base, 12 × 9 ins.

Zinc.	Galv'd Iron.
30/-	**25/-** each.

"UNIVERSAL" TALLBOY AND TOPS.

Steel, Galvanized after made. Light, Strong, and Fireproof.

In attempting to cure a smoky chimney, the simplest expedient is to increase the height by fixing on the top a straight tube; when this has been done, if the cure is not complete, it is usual to try either an elbow pipe or else one of the many cowls or patent chimney pots.

The "**Universal**" **Tallboy** is designed to receive either an additional length, or a crank piece, or any kind of cowl. The terminals shown are made to exactly fit over the socket, above the beads, and are provided with connecting ears and screws, by means of which they are quite securely fastened, but can be removed at pleasure.

When alterations or additions are required, they can be made without removing the **Tallboy**, which remains as a foundation for any experiments that may be necessary.

The base of the "**Universal**" **Tallboy** is made with a flange, and the size arranged for building in the ordinary brick chimney, 14 in. by 9 in. inside It is made of steel plate, and is therefore very stiff, without being heavy. It is galvanized after manufacture, and is therefore durable and fire-proof.

Kept in stock for instant delivery, in the various sizes named.

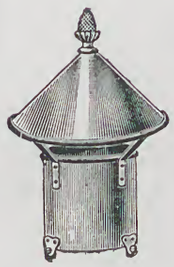


No. 4211.

Tallboy.

Sizes 4 5 6 ft. high
9/3 11/6 13/3 each.

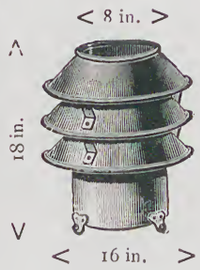
Sizes 7 8 ft. high.
15/6 17/9 each.



No. 4212.

Conical Cap.

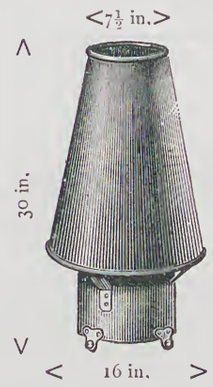
6/9 each.



No. 4213.

Louvre Terminal.

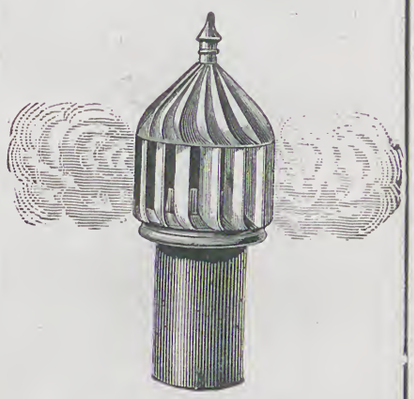
9/6 each.



No. 4214.

Sugar Loaf Terminal

9/3 each.



No. 4215.

"Empress" Head.

50/- each

CHIMNEY COWLS.



GAMMON'S PATENT.

Neat in appearance, made of best **Galvanized Iron**, and strongly rivetted.

No. 4216. To fit inside Chimney Pot, with Flange, as illustrated.

3 ft. high, 9 ins. diameter
17/9 each.

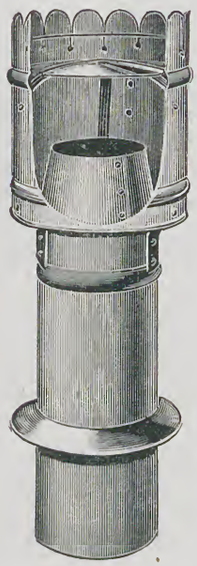
3 ft. high, 10 ins. diameter
18/9 each.

No. 4217. For Building on Brickwork.

6 ft. high, 9 ins. diameter
23/- each.

6 ft. high, 10 ins. diameter
24/6 each.

Size of base, 12 ins. × 10 ins.

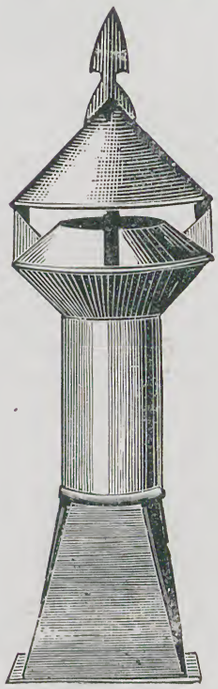


A new Patent Cowl, constructed on an entirely new principle. Prevents down draught, and creates an up-draught. This is important, as so many chimneys are low, and the draught consequently sluggish.

The head, instead ot revolving, is stationary, and so neither cross-bar, tube, or oil-box is necessary. In revolving cowls these soon cause the head to become clogged and choked up with soot. The chimney then smokes and must be swept at once. This cannot be done from below, as the cowl must be taken off. This cowl can easily be swept in the ordinary way from below.

No noise, and no oiling required.

"STEVEN'S" CHIMNEY.

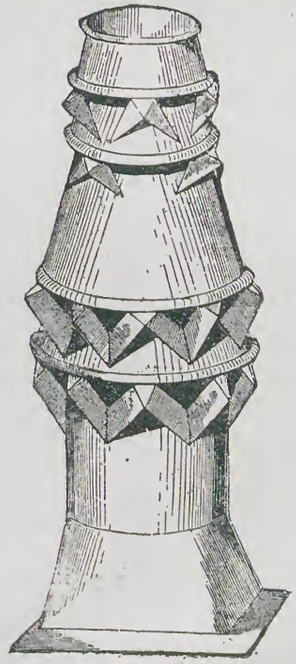


No 4218.

Galvanized Iron.

4ft. 6in. 14×10 in. base **17/9** each.
7ft. 6in. × 10 in. shaft **24/6** ,,

"PERFECT CURE."

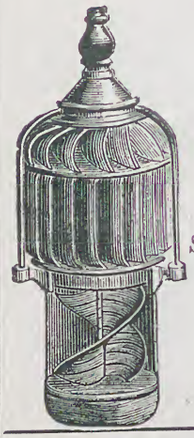


No. 4219.

Heights..	.. 4ft.	6in.	5 ft.	6 ft	7 ft.
Zinc ..	each	**22/6**	**24/-**	**28/3**	**32/-**
Galvanized Iron		**24/9**	**26/6**	**30/-**	**33/9**

Bases 12×9 ins.

VENTILATORS, &c.



No. 4220.

Archimedian, Round Base.

Galvanized Iron.

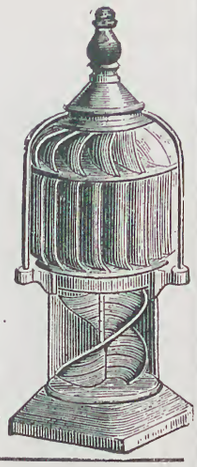
Sizes,	3	4	6	8	9	10	11	12 ins.
	16/9	**18/-**	**20/-**	**24/-**	**25/3**	**29/3**	**32/6**	**36/-** each.
,,	14	16	18	20	22	24		ins.
	45/-	**54/-**	**63/-**	**72/-**	**81/-**	**94/6**		each.

No. 4221.

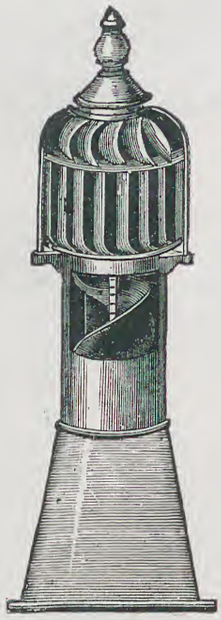
Archimedian, Square Base.

Galvanized Iron.

Sizes,	6	8	9	10	11	12	14	16 ins.
	22/6	**25/3**	**27/-**	**31/6**	**36/-**	**40/6**	**49/6**	**63/-** each.
,,	18	20	22	24	26	28	30	36 ins.
	72/-	**81/-**	**90/-**	**108/-**	**126/-**	**144/-**	**162/-**	**216/-** ea



ARCHIMEDIAN CHIMNEY.



No. 4222.

Galvanized Iron.

Diam.	9	10	11	12	12	14 ins.
Height	36	42	42	42	48	48 ins.
Price,	**30/9**	**36/-**	**40/6**	**45/-**	**49/6**	**58/6** each.

9 in. are suitable for Small fireplaces.

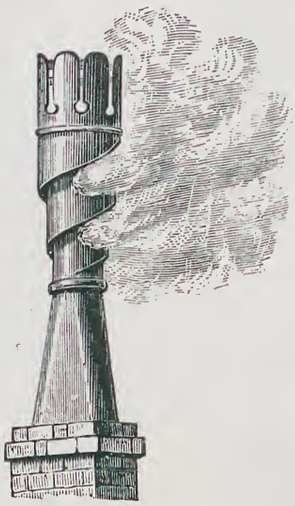
10 ,, ,, ,,

11 ,, ,, Bedroom ,,

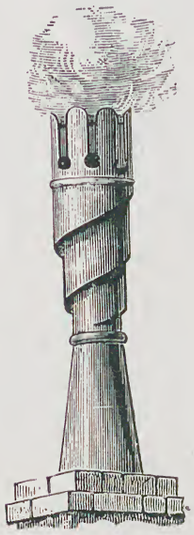
12 ,, ,, Dining-room ,,

14 ,, ,, Kitchen ,,

"CLIMAX" CHIMNEY POTS.



In Stormy Weather.



In Calm Weather.

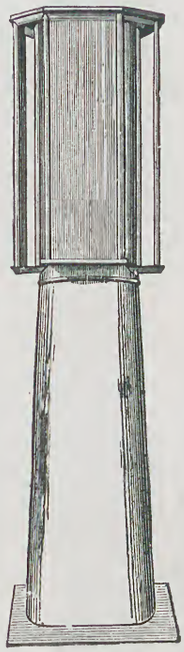
No. 4223.

Height, 5 ft. 6ins. Base, 14 × 9 ins.

Strong Zinc .. .. **45/9** each.

Galvanized Iron, Strong .. .. **48/6** ,,

DAY'S WINDGUARD.



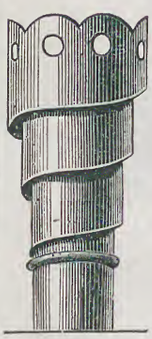
No. 4224.

5 ft. high.

12×9 in. Base.

Zinc.	Galv. Iron.
21/3	**24/-** each.

"LILLIPUT CLIMAX" TOP.



No. 4225.

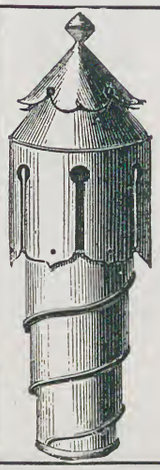
Made 30 inches high with Round Base.

8½ inches diameter.

Strong Galvanized Iron,

12/6 each.

Can be supplied in Copper.



"CLIMAX" VENTILATOR.

No. 4226.

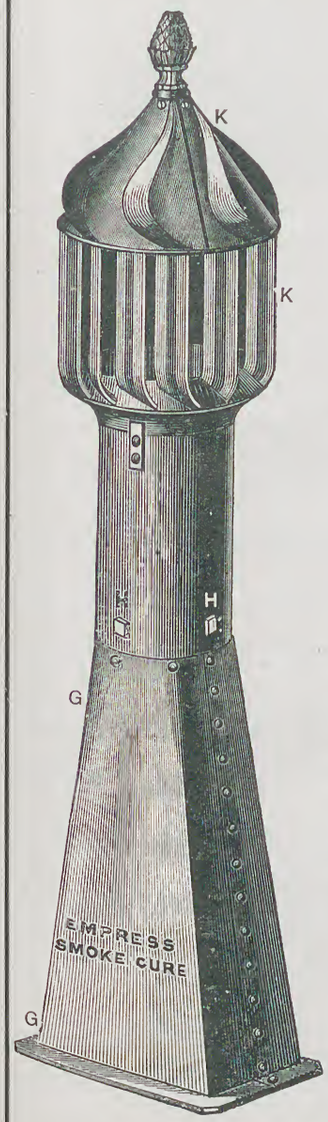
Galvanized Iron.

Sizes,	2	2½	3	4	6	9	12	16	20	30 ins.
	10/-	**12/6**	**15/3**	**17/9**	**42/-**	**50/6**	**64/-**	**89/6**	**115/6**	**154/-** each.

2, 2½, 3 and 4 in. (made with perforated top as small diagram) expressly for Ventilating Sewers, Drains, Water Closets, &c.



SMOKE CURES.



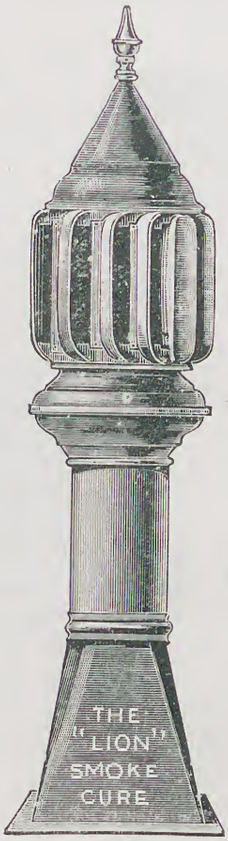
THE "EMPRESS."

In nineteen cases out of twenty this pot cures the chimney without alteration. In case of failure or only partial success it is sometimes necessary to increase the height or perhaps to introduce an elbow piece. To provide for this the head is made to remove from the base to which it is fixed by screw bolts. (HH).

The Base GG. may thus remain fixed in the brickwork and a length of straight pipe or an Elbow piece inserted. In the same way, if at any time the head should require repair or renewal, the base (which is made of stout material and Enamelled), need not be removed. The revolving part (KK) is in constant motion and is made of the best tinned Steel, carefully Enamelled.

No. 4227. "EMPRESS" Smoke Cure, Galvanized Sheet Steel, Enamelled.

Fig. 1, For ordinary Chimneys	.. ..	**59/-** each.
,, 2, For Kitchen ,,	.. ..	**72/3** ,,
,, 3, For Small ,,	.. ..	**50/3** ,,
,, 4, For Gas Fires	.. .. ..	**41/9** ,,
,, 5, For Small Gas Stoves	.. ..	**28/-** ,,



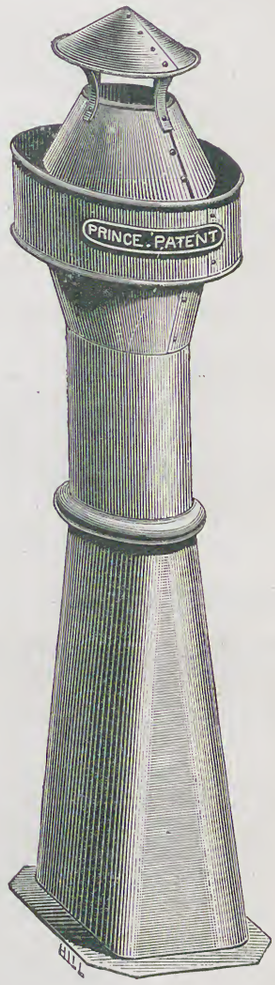
No. 4228. **"LION"** Smoke Cure, Galvanized Sheet Steel.

No. 4228. For ordinary Chimneys, Base, 14×9 ins., Shaft, 9 ins., Height, 6 feet **31/-**

No. 4229. Ditto, without square Base for fitting on existing pot, **24/9**

No. 4230. For Kitchen Chimney Base, 14×10 ins., Shaft, 10 ins., Height, 6 ft. **37/3**

No. 4231. Ditto, without square Base, for fitting on existing pot .. .. **32/-** each.



No. 4232.

"PRINCE" Chimney Pot. Height, 5 ft., Base, 14×9 ins. The Steel Plate is Rivetted and the whole is Galvanized after made, and is Fireproof.

Price, £1 18 3 each.

"ALBERT" CHIMNEY CAPS AND VENTILATORS.



No. 4233.

Suitable for high Chimneys Small size, 10×10 at base, 30 ins. high.

	£	s.	d.
Zinc	1	6	9
Galvanized ..	1	10	0
Cast Iron ..	2	6	9

No. 4234.

Ordinary size, 14×9 at base, 36 ins. high.

Zinc	1	13	3
Galvanized ..	1	16	9

No. 4235.

Kitchen size, 14×9, or 14×14 at base, 40 ins. high.

Zinc	2	2	9
Galvanized ..	2	6	9

each.

No. 4236.

Suitable for Low Chimneys.

Sitting Room size, 5ft. high, 14×9 at base.

Galvanized, **£2 6 9**

No. 4237.

Kitchen size, 5ft. high 14×9, or 14×14 at base.

Galvanized, **£2 13 3** each.

No. 4238.

Suitable for Chimneys subject to return or eddy winds.

Sitting Room size, 5ft. high, 14×9 at base.

Galvanized, **£2 13 3**

No. 4239.

Kitchen size, 5ft. high, 14×9, or 14×14 at base

Galvanized, **£3 0 0** each.

No. 4240.

Suitable for Chimneys that are lower than adjacent Buildings.

Sitting Room size, 6ft. high, 14×9 at base.

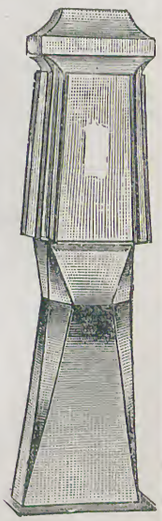
Galvanized, **£2 13 3**

No. 4241.

Kitchen size, 6ft. high, 14×9, or 14×14 at base.

Galvanized, **£3 0 0** each.

Also made any height required, at **4/9** per foot extra.

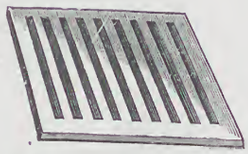


DRAIN AND GULLEY GRATES AND GRIDS.



No. 4242. Round.

Sizes 4 5 6 7 8 9 10 11 in.
2/ 3/6 5/- 6/- 7/6 9/6 11/6 14/-
Per dozen.



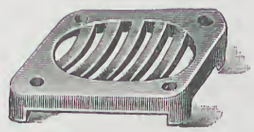
No. 4243. Square.

Sizes 4 5 6 7 8 9 10 12 in.
2/6 3/6 4/6 6/- 9/6 11/- 13/- 18/-
Per dozen.



No. 4244. Dished $\frac{5}{8}$ in. thick.

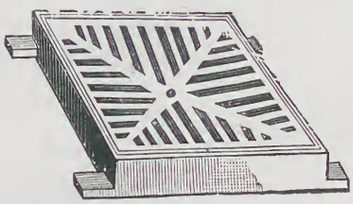
Sizes 6 8 9 10 12 in.
9/6 15/6 18/6 22/- 31/-
Per dozen.



No 4245.

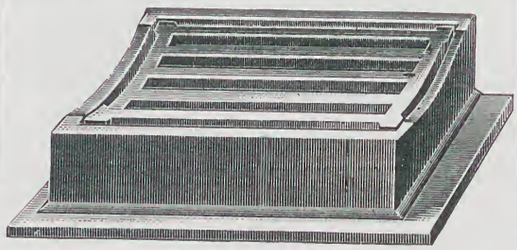
Grid for Earthenware Gulley.

Sizes 4 4½ 5 5½ 6 7 8 in.
4/- 5/- 6/- 8/- 9/6 11/- 13/-
Per dozen.



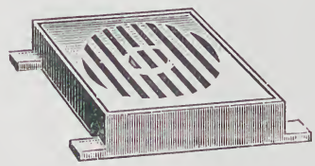
No. 4246. Garden Grate and Frame.

Sizes 6 7 8 9 10 12 in.
1/2 1/3 2/- 2/2 2/9 3/3 each.



No. 4247. Gulley.

Sizes 16 × 10 in. inside.
Approximate weight, 1 cwt. 19 lbs.
18/6 each.

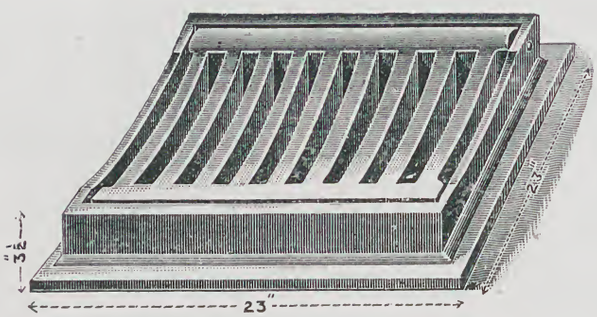


No. 4248.

Strong Garden Grate and Frame.

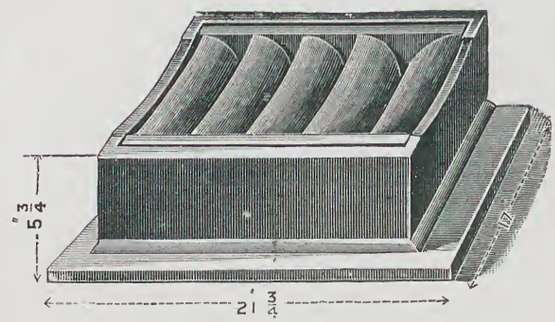
Sizes 10 12 14 15 16 18 in.
3/6 5/3 7/3 9/- 11/- 13/- each.

GULLEY GRATES.



No. 4249. Street Gulley.

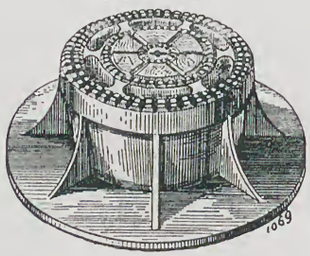
Sizes 8 9 10 11 12 14 16 18 in. square inside.
Price 5/- 5/3 6/- 6/6 8/6 13/6 16/6 21/- each.



No. 4250. "Gravitas" Gulley.

Sizes, 14½ × 12½ in. inside.
Price 26/6 each.

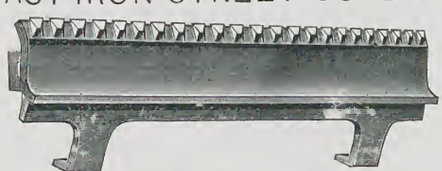
LAMP HOLE COVER AND FRAME.



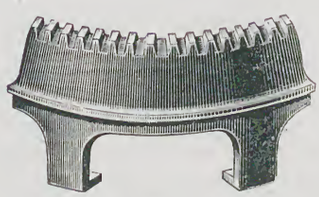
No. 4251.

With Oak Blocks in centre.
Ventilating Slots outside. Coated.
Outside Top of Frame, 15½ in. diameter.
Size in Clear, 12 in. diameter.
Size over Flange, 24 in. diameter.
Depth, 6½ in.
Price 29/- each.

CAST IRON STREET CURBING.



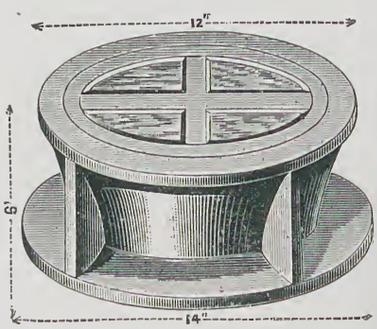
No. 4252. Straight Length.



No. 4253. Bend.

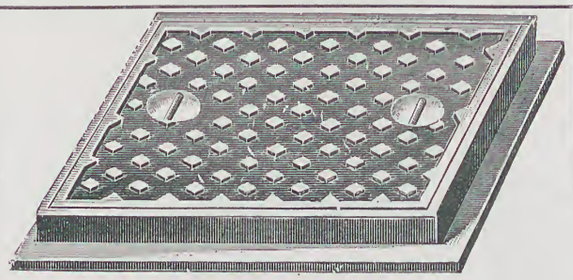
Straight Lengths 12 18 36 in. lengths.
No. 4252. 2/3 3/3 4/6 each.
No. 4253. Bends, **2/6** each.

LAMP HOLE WITH WOOD BLOCKS.



No. 4254.

12 in. diameter over top.
7½ in. diameter in opening.
Price 42/- each.





MANHOLE COVERS AND FRAMES.

From Stock. **Carriage forward.**

No. 4256. Light.

Sizes	Weights.	Price each.
inches.	cwt. qrs. lb.	
15×15	0 1 6	**5/3**
18×18	0 1 14	**6/6**
24×18	0 2 2	**8/-**

No. 4257. Medium.

Sizes.	Weights.	Price each.
inches.	cwt. qrs. lb.	
12×12	0 1 22	**6/9**
15×15	0 2 4	**8/-**
18×18	0 2 24	**10/3**
24×18	0 3 10	**12/-**
24×24	1 0 14	**16/-**
30×24	1 1 7	**18/9**
36× 9	**0 3 7**	**16/-**
36×18	**1 0 18**	**24/-**

No. 4258. Heavy.

Sizes	Weights.	Price each.
inches.	cwt. qrs. lb.	
12×12	0 2 23	**9/6**
15×15	0 3 17	**12/3**
18×18	1 0 12	**15/-**
24×12	1 0 24	**16/6**
24×18	1 1 14	**18/3**
24×24	1 2 16	**20/9**
30×18	1 2 24	**23/3**
30×24	2 0 4	**27/6**
36×24	2 0 22	**29/3**
30×30	2 1 14	**32/6**

No. 4259 24 in. × 18 in. For Road Traffic, 2 cwt. 2 qrs. 24 lb. **35/-** each.

SPECIAL.—From Works in one dozen lots and upwards, Carriage Paid with customers' names and addresses cast on free.

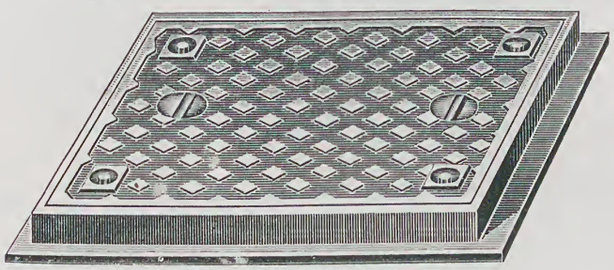
Sizes inside.	Approx. Weight.	Price each.
inches.	cwt. qrs. lb.	
15×15	0 1 14	**6/3**
18×12	0 2 2	**7/-**
24×12	0 2 0	**7/3**
24×12	0 2 14	**8/9**
18×18	0 1 20	**6/6**
18×18	0 2 0	**7/3**
18×18	0 2 14	**8/6**
24×18	**0 2 2**	**7/6**
24×18	0 2 14	**8/9**
24×18	**0 3 0**	**9/6**
24×18	1 0 0	**12/6**
30×18	1 0 0	**12/6**
24×24	1 0 0	**12/9**
30×24	1 1 4	**16/9**
30×24	1 2 16	**20/9**
36×24	1 2 15	**20/9**

No. 4255.

If Galvanized double these Prices.

Two Gun-metal Screws, **4/9** per manhole extra.

SCREW-DOWN COVERS.

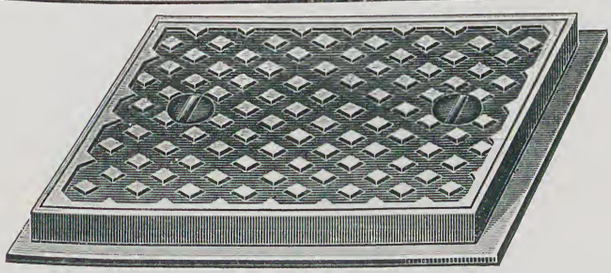




SECTION

No. 4260. Fitted with four Brass Screws. For Grease or Sand Joints.

Sizes inside. inches.	Weight. cwt. qrs. lb.	Price each.
18×18	1 0 20	**27/6**
24×18	1 1 8	**29/-**
24×24	1 2 0	**33/-**
30×24	1 3 6	**38/-**



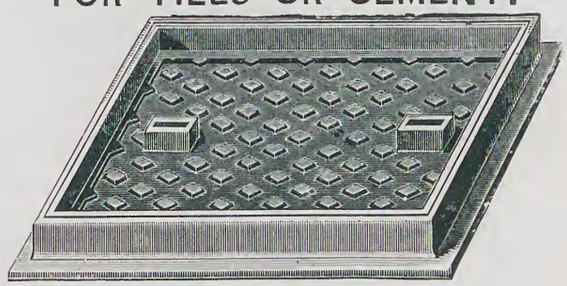


SECTION

No 4262. Double Sealed Cover and Frame. Sand or Grease Joints.

Sizes inside. inches.	Weights. cwt. qrs. lb.	Prices each.
24×18	1 1 14	**19/-**
24×24	1 2 20	**24/-**

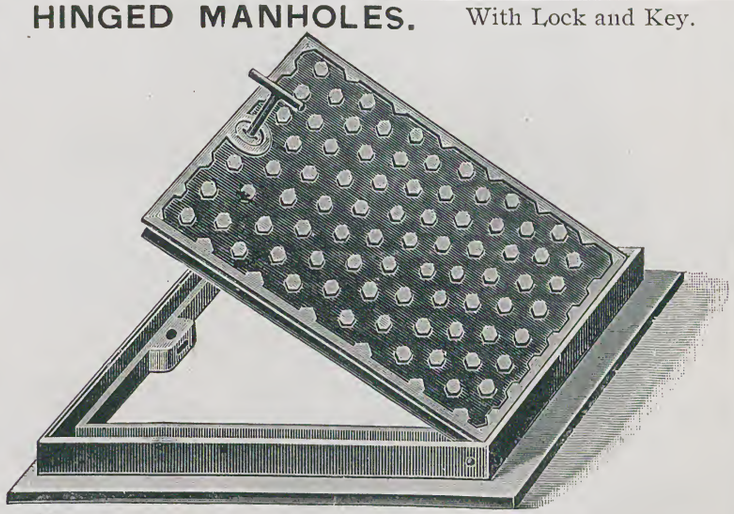
FOR TILES OR CEMENT.





	Sizes inside		Sizes inside.	
No. 4261.	12× 8 ins.	**12/-** each.	24×18 ins.	**25/-** each.
For Grease or Sand	14×14 ,,	**17/6** ,,	22×22 ,,	**30/6** ,,
Joints.	18×18 ,,	**21/-** ,,	24×24 ,,	**36/-** ,,

HINGED MANHOLES. With Lock and Key.



No. 4263. For Grease or Sand Joints.

Sizes inside. inches.	Weights. cwt. qrs. lb.	Price each.
22×16	0 3 10	**28/6**
18×18	1 0 8	**30/6**
24×18	1 1 0	**33/-**
24×24	1 2 8	**40/-**
30×24	1 3 14	**50/-**

No. 4264. With India-rubber Joints.

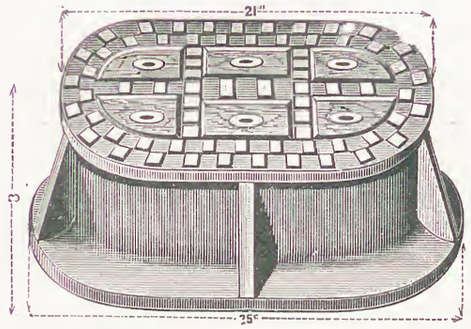
Sizes inside. inches.	Weights. cwt. qrs. lb.	Price each.
11¼×10	0 3 0	**30/-**
18×15½	1 0 14	**38/-**
24×21½	1 2 14	**48/-**

For Patterns and Prices of Pavement Manholes—see page 805.

ROAD MANHOLES.

OVAL VENTILATING MANHOLE.

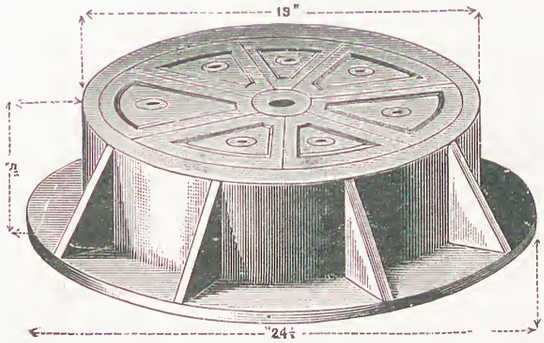
With Wood Blocks. To Lock.



No. 4265. 21 ins. long over top.
16×12 ins. in opening. Weight, 2 cwt. 3 qrs. 12 lb.
100/6

ROUND VENTILATING MANHOLE.

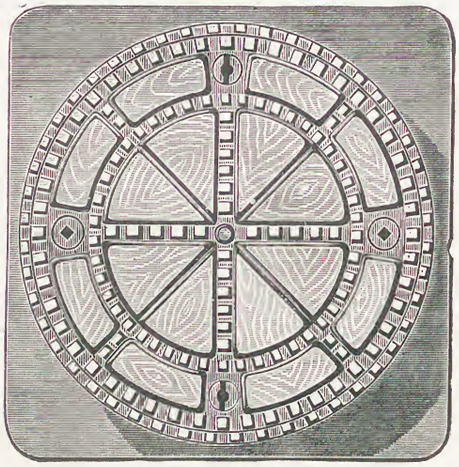
With Wood Blocks.



No. 4266. 19 ins. diameter over top.
15 ins. diameter in opening. Weight, 2 cwt. 1 qr. 17 lb.
96/- each.

HEAVY ROAD MANHOLE.

With Elm Blocks and Improved Watertight Rubber Joint.

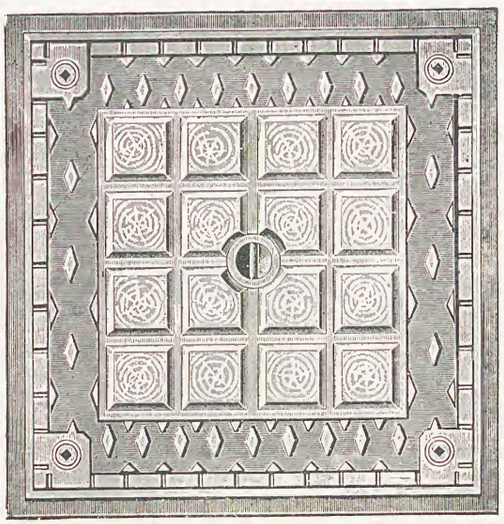




No. 4267. Flange 30 ins. square.
Diameter at top of frame, 29 ins. Depth, 5¾ ins.
Diameter in clear opening, 23 ins. Weight, 4 cwt. 14 lb.
Price, 126/- Keys **1/9** each extra.

NEW DOUBLE-JOINT AIR-TIGHT MANHOLE.

With Wood Blocks in Cover.





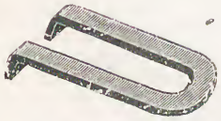
No. 4268.
Fitted with India-rubber Joint and provided with extra Groove for Grease or Sand Joint. Cover is held down by four Gun-metal Screws.

Sizes in clear opening.	Weight. cwts.	qrs.	lb.	**Price**, each.
12×12 ins.	1	2	0	**58/6**
16×16 ,,	2	0	0	**76/6**
22×22 ,,	2	2	24	**96/-**
28×22 ,,	3	2	0	**120/-**

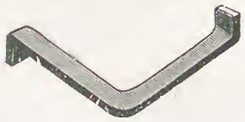
STEP IRONS.



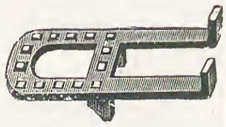
No. 4269.



No. 4270.



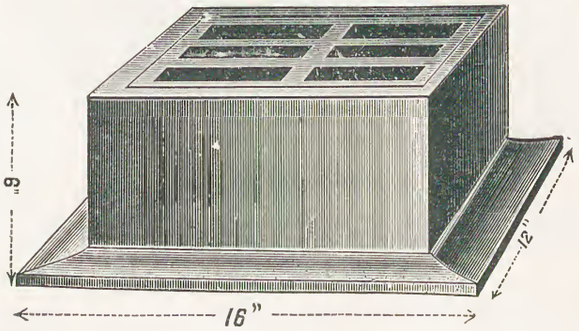
No. 4271.



No. 4272.

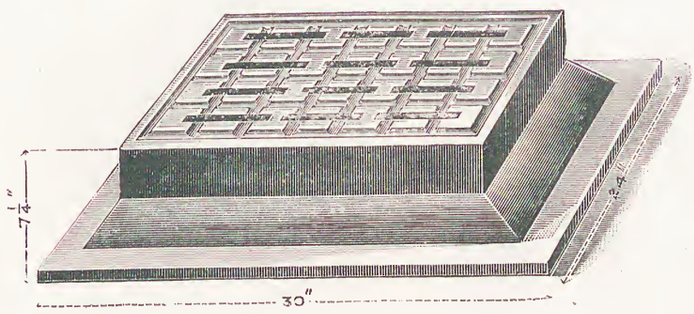
No. 4269.	Galvanized Malleable Iron	..	..	.	**26/-** doz.
,, **4270.**	U pattern Wrought Iron.		Self-colour	..	**18/-** ,,
	,,	,,	Galvanized	.	**36/-** ,,
,, **4271.**	V ,,	,,	Self-colour	..	**24/-** ,,
	,,	,,	Galvanized	..	**48/-** ,,
,, **4272.**	U ,,	Cast Iron. ..	Self-colour	..	**21/-** ,,

SEWER VENTILATOR.



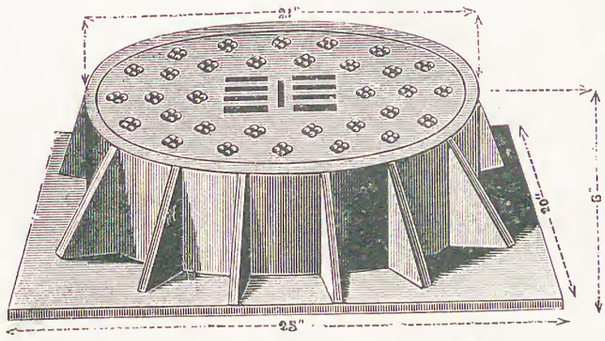
No. 4273. Strong. Sizes, 16×12 ins, at bottom, as drawn.
Weight, 1 cwt.
Price, 22/6 each.

ROAD MANHOLES.



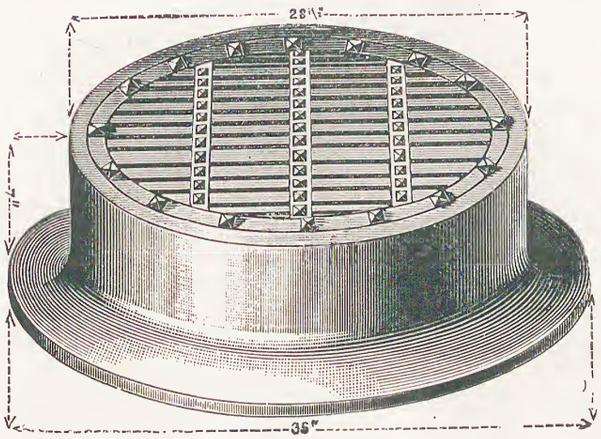
No. 4274.—CAST IRON MANHOLE.

Size .. 18 × 12 ins. inside.
Approximate weight, 2 cwt. 2 qrs. 10 lb.
Price, 42/6 each.



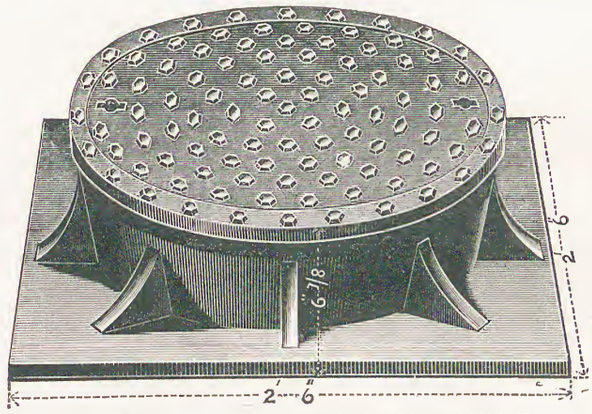
No. 4275.—OVAL VENTILATING MANHOLE.

21 ins. long, as drawn.
18 × 14 ins. in opening.
Weight, 2 cwt. 21 lb.
Price, 48/- each.



No. 4276.—HEAVY ROUND VENTILATING MANHOLE.

28½ ins. diameter, as drawn.
24 „ „ in opening.
Weight, 7 cwt. 2 qrs.
Price, £7 7 6 each.



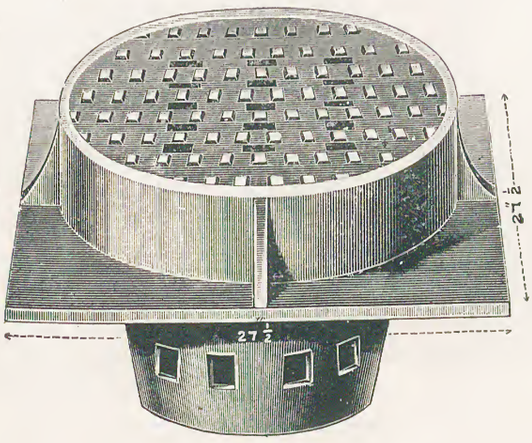
No. 4277.—CAST IRON MANHOLE.

21 ins. diameter inside at top. 18½ ins. inside at bottom.
Approximate weight, 3 cwt. 2 qrs. 21 lb.
Price, £2 16 0 each.

No. 4278.—Ditto ditto.

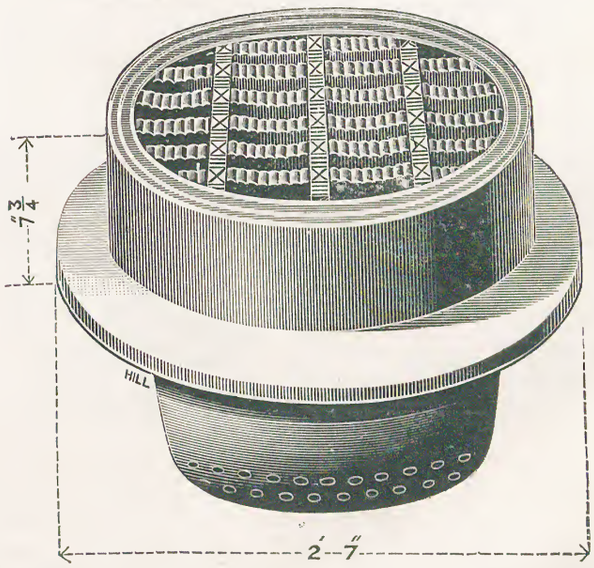
Top fitted with Four Elm Blocks. Weight, 3 cwt. 3 qrs. 14 lb.
Price, £3 2 6 each.

No. 4279.—Malleable Keys for ditto, **1/-** each.



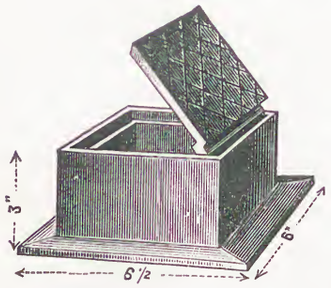
No. 4280.

20 ins. inside diameter, with Galvanized Wrought Iron Mud Pan.
Approximate weight, 3 cwt.
Price, £2 18 0 each.
No. 4281.—If without Mud Pan, **5/-** less.

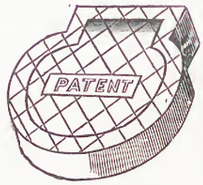


No. 4282. 21¼ in. inside diameter, with Cast Iron Mud Pan.
Approximate weight, 3 cwt. 2 qrs. 16 lb.
Price, £3 2 6 each.
No. 4283.—If without Mud Pan, **5/-** less.

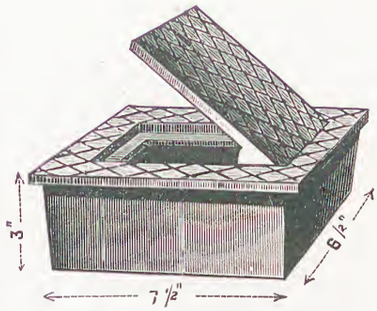
COCK BOXES AND COVERS, etc.



No. 4284. Cock Box.
Size, 6½×6×3 in. as drawn.
1/6 each. **16/-** per dozen.

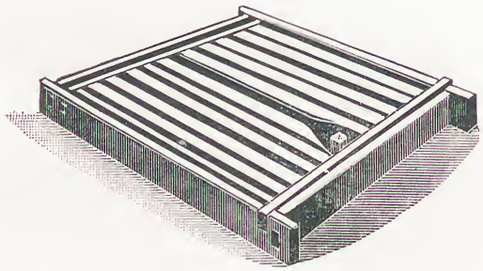


No. 4285. Cock Cover.
1/6 each. **16/-** per dozen.



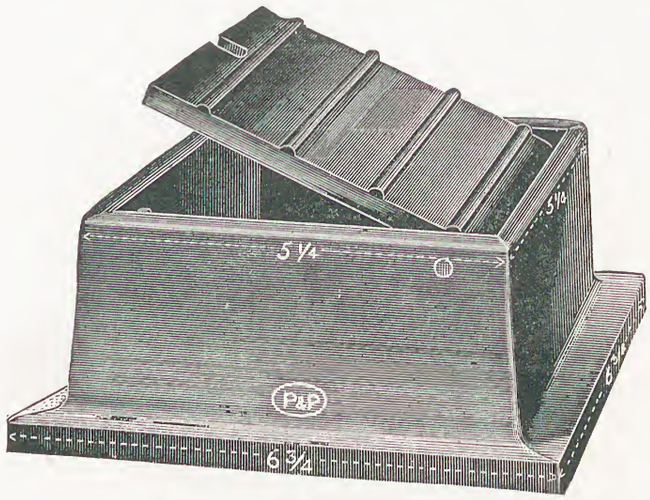
No. 4286. Cock Box.
Size, 7½×6½×3 as drawn.
2/3 each. **25/-** per dozen.

SCHOOL BOARD GULLEY.



No. 4287. Flat Galvanized Wrot Iron.

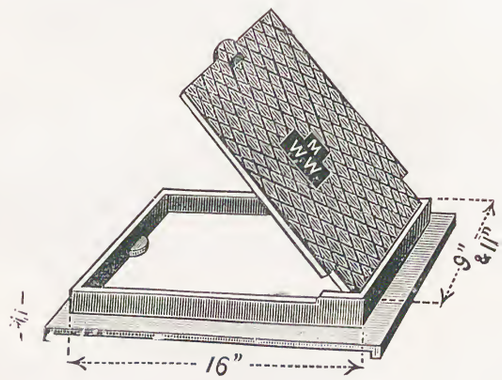
School Board Locking Gulley Gratings with G. M. Turnbuckle, etc.
Sizes, 6×6 9×9 12×12 ins.
9/6 **12/-** **17/-** each.



No. 4288. "SPECIAL LINE."
Stop Cock Box.
Sizes, 6¾×6¾ at bottom, 5¼×5¼ at top.
Price—1/6 each.
Customer's Name and Address cast on if ordered in Three Dozen lots and sent carriage paid, at **16/-** dozen.

WATER METER COVER.

To Fasten.

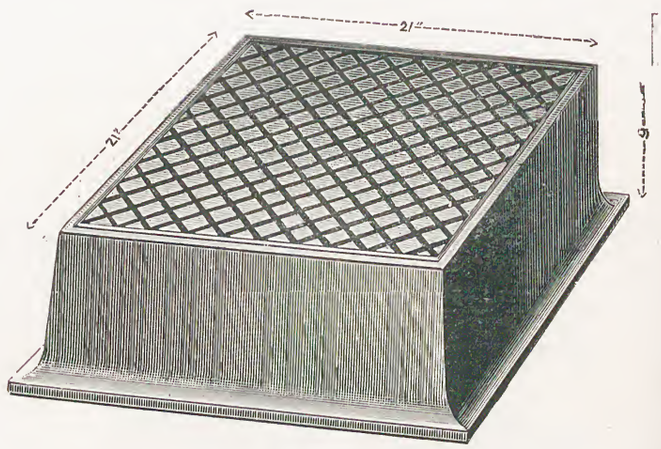


No. 4289.

	Price.
Size, 16×11 ins. ..	**10/-** each.
„ 16×9 „ ..	**9/6** „

Including Key.

SURFACE COVER AND FRAME.

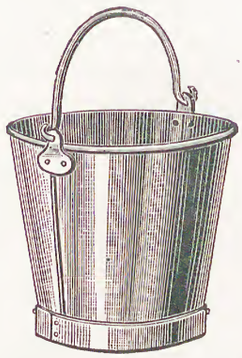


No. 4290. Strong.

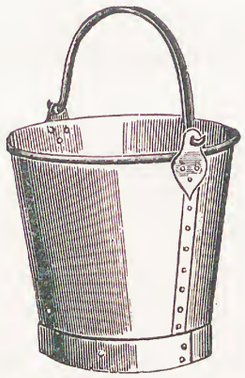
Size ..	21×21 ins.
„ ..	18×18 „ in opening.

Weight, 3 cwt., **£2 17s. 6d.** each.
No. 4291. Keys, **1/9** each extra.

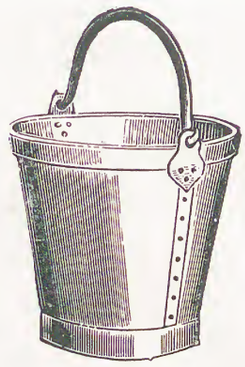
GALVANIZED IRON BUCKETS.



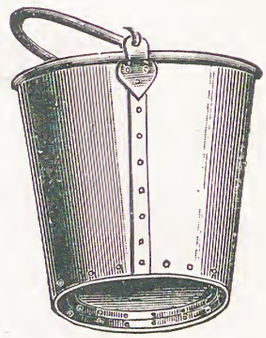
No. 4292. "House." Seamed Sides, Pressed Ears, Fluted Bails.
Weight of 12 in. about 42 lb. per doz.
Sizes, 10 11 12 13 ins.
12/- 13/- 14/6 16/6 per doz.
No. 4293.
Lighter, about 37 lb. per doz. 12 in.
Sizes, 10 11 12 13 ins.
10/- 11/- 12/6 14/6 per doz.



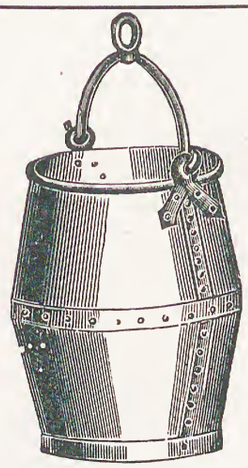
No. 4294. "Painters"
Rivetted Sides, Forged Ears, Hoop Foot and Half-round Bail.
Weight of 12 in. about 50 lb. per doz.
Sizes, 10 11 12 13 14 ins.
15/- 16/6 18/3 20/6 23/- doz.



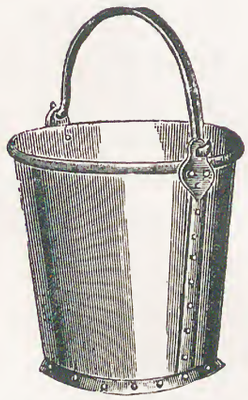
No. 4295. "Builders."
Strong Welded Bar Hoop Top and Bottom.
Weight of 12 in. about 96 lb. per doz.
Sizes, 11 12 13 14 ins.
33/3 35/- 37/6 40/- per doz.



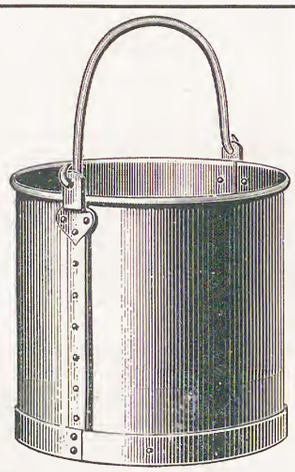
No. 4296. "Contractors."
Rivetted Sides, Forged Ears, Angle Iron Foot.
Weight of 12 in. about 108 lb. per doz.
Sizes, 11 12 13 14 ins.
41/6 43/6 44/6 48/- per doz.
Can supply a lighter "Contractors" 12 in. weighing 96 lb. per dozen if required.



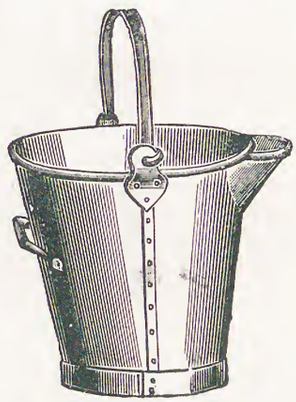
No. 4297.
Bellied "Well" Bucket.
Strong Rivetted, Swivel Bail and Forked Ears.
Sizes, 4 6 8 10 gallon.
5/- 6/- 7/6 9/- each.



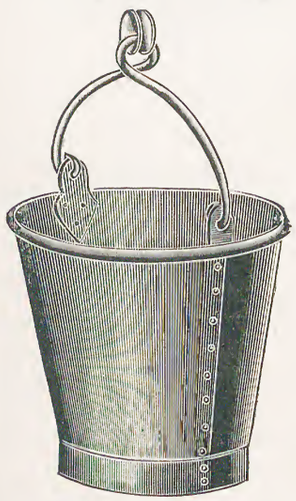
No. 4298. "Stable."
Rivetted Sides and Bottom, Forged Ears.
Weight of 12 in. about 52 lb. per doz.
Sizes, 10 12 13 14 ins.
21/- 24/6 27/- 30/- per doz.



No. 4299. "Dairy" or "Stable."
Hoop Foot, Half-round Bail.
Sizes, 10 11 12 13 14 ins.
Medium, 23/- 26/- 28/- 32/6 37/3 doz.
No. 4300.
Strong, 33/9 36/- 39/- 43/- 48/- ,,
No. 4301. Covers **11/-** doz. extra.



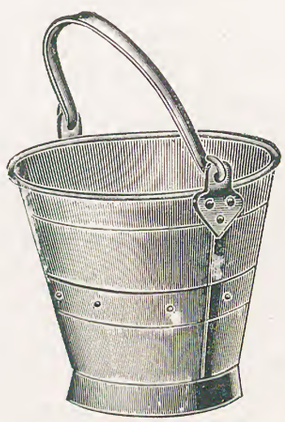
No. 4302. "Milk."
Rivetted Sides, Forged Ears, Spout and Back handle.
Sizes, 10 11 12 13 14 ins.
21/6 23/- 25/- 27/6 30/6 doz.



No. 4303. "Ship."
Rivetted Sides, Forged Ears Inside, Twisted Bail and Thimble.
Sizes, 10 11 12 13 14 ins
19/- 20/6 22/6 25/- 28/- doz.



No. 4304. "Tar."
With Spout and Back Handle.
Weight of 12 in. about 54 lb. per doz.
Sizes, 11 12 13 14 ins.
27/- 30/- 33/- 38/- doz.



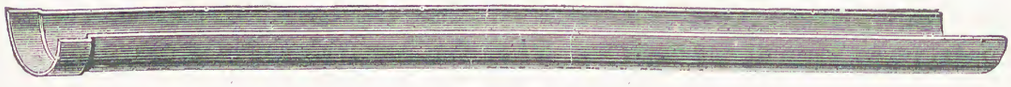
No. 4305. "Engine Room."
Seamed Sides, Hooped Foot, Band under Wire and Round Centre. Forged Ears, Round Bail.
Sizes, 12 13 ins.
36/- 40/- per dozen.



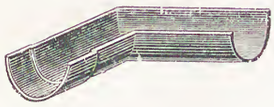
No. 4306. "Fire" Bucket.
10 ins. diameter at top, 12 ins. deep.
Close Rivetted Sides and Bottom.
Lettered in Red, **44/-** per dozen.
If Painted Red outside and Lettered in Black,
No. 4307. 13/- per dozen extra.
Can also supply cheaper quality.

No. 4292, "House," and No. 4295, "Builders," Buckets, can be supplied in one dozen lots, fitted with wood Rims at bottom, suitable for polished wood Floors, etc., at small extra on above Prices. Special Prices quoted for quantities.

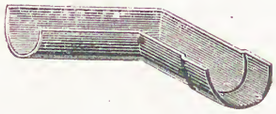
HALF-ROUND GUTTERING.



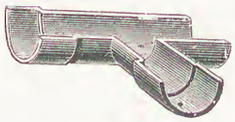
External Square Angle, Right.



External Square Angle, Left.



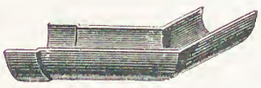
T Piece.



Nozzle Piece.



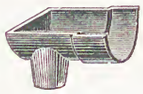
Obtuse Angle, Left.



Spigot Stop Nozzle.



Faucet Stop Nozzle.



Spigot Stop End.

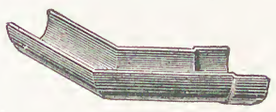


Faucet Stop End.

Union Clip.



Obtuse Angle, Right.



ORDINARY CAST IRON.

From London Stock, Carriage Forward. Despatched on receipt of Order.

Sizes	3	3½	4	4½	5	6 in.
No. 4308. HALF-ROUND GUTTERS, in 6 ft. Lengths	9d.	9d.	9d.	10¼d.	1/0½	1/3 yard.
,, ,, in 2, 3 and 4 ft. Lengths	2d.	2d.	2d.	2d.	3d.	3d. ,, extra.
Angles, Square	9d.	10d.	11d.	1/1	1/2	1/8 each.
Obtuse Angles for Bays	9d.	10d.	11d.	1/1	1/2	1/8 ,,
Nozzles	9d.	10d.	11d.	1/1	1/2	1/8 ,,
Stop Ends (loose or cast on)	2½d.	2½d.	2½d.	3d.	4d.	5d. ,,
T Pieces	9d.	10d.	11d.	1/1	1/2	1/8 ,,
Union Clips	4d.	4d.	4d.	4½d.	6d.	8d. ,,

SPECIAL PRICES QUOTED UPON APPLICATION FOR GUTTERS, &c., SENT FROM WORKS TO ANY STATION, CARRIAGE PAID.

CAST IRON HEAVY H.R. GUTTERS.

No. 4309. H. R. GUTTERS, Plain—

Sizes	7/16 in. Metal. 3 and 3½	4	4½	5	6	¼ in. Metal. 4	4½	5	6 in.
6 ft. Lengths	1/5½	1/6	1/7½	1/10	2/1	1/10	2/4	2/8	3/2 per yard.
2, 3 and 4 ft. Lengths	3d.	3d.	3d.	4d.	4d.	3d.	3d.	4d.	5d. ,, extra.
Angles, Square and Obtuse	1/5	1/5	1/6	1/9	2/-	1/8	2/-	2/4	2/10 each.
Nozzles	1/5	1/5	1/6	1/9	2/-	1/8	2/-	2/4	2/10 ,,
Union Clips	6d.	6d.	6d.	7d.	8d.	7d.	8d.	9d.	11d. ,,
Stop Ends (loose or cast on)	6d.	6d.	6d.	7d.	8d.	7d.	8d.	9d.	11d. ,,
Drops ,, ,,	6d.	6d.	6d.	7d.	8d.	7d.	8d.	9d.	11d. ,,
No. 4310. H. R. GUTTERS Beaded—									
6 ft. Lengths	1/7	1/7	1/9	2/1	2/4	2/-	2/5½	2/11	3/5 per yard.
2, 3 and 4 ft. Lengths	2d.	2d.	2d.	3d.	3d.	2d.	2d.	3d.	3d. ,, extra.
Angles, Square and Obtuse	1/6	1/6	1/7	1/11	2/2	1/9	2/1	2/6	3/- each.
Nozzles	1/6	1/6	1/7	1/11	2/2	1/9	2/1	2/6	3/- ,,
Union Clips	6d.	6d.	6½d.	8d.	9d.	7d.	8d.	10d.	1/- ,,
Stop Ends (loose or cast on)	6d.	6d.	6½d.	8d.	9d.	7d.	8d.	10d.	1/- ,,
Drops ,, ,,	6d.	6d.	6½d.	8d.	9d.	7d.	8d.	10d.	1/- ,,

If Painted or Coated, 5 per cent. extra.

STRONG WROUGHT IRON SUNK-END EAVES GUTTERS.

GALVANIZED OR PAINTED.

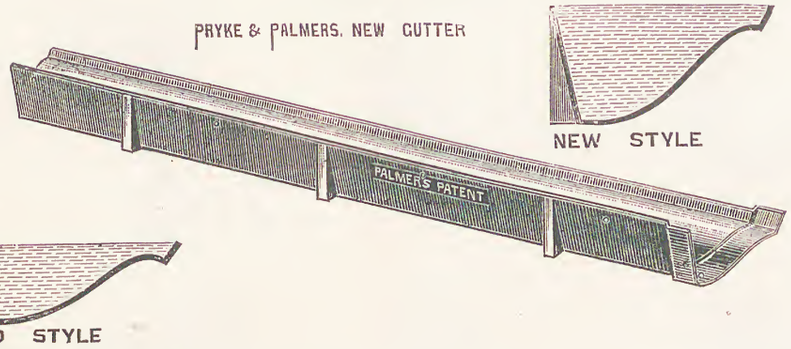
Sizes	3	3½	4	4½	5	6 in.
No. 4311. Galvanized Wrought Half-round Gutter	1/11	1/11	2/-	2/3	2/6	2/9 per 6 ft. length.
,, Angles	2/-	2/-	2/-	2/3	2/6	3/- each.
,, Nozzles						
No. 4312. Painted Wrought Half-round Gutter	1/6	1/6	1/8	1/10	2/-	2/3 per 6 ft. length.
,, Angles	1/9	1/9	2/-	2/-	2/3	2/9 each.
,, Nozzles						
Stop Ends, Painted or Galvanized	8d.	8d.	8d.	9d.	1/-	1/- ,,

ZINC GUTTER. In 7 ft. lengths.

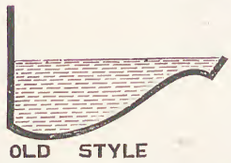
Sizes	2½	3	3½	4	4½	5 in.
No. 4313. Zinc Half-round Gutter	1/3	1/5	1/7	1/8	1/11	2/2 per length.
Outlets	6d.	7d.	8d.	9d.	10d.	1/- each.
Stop Ends	5d.	6d.	7d.	8d.	9d.	10d. ,,
Angles	1/2	1/3	1/4	1/7	1/8	1/10 ,,

PALMER'S IMPROVED PATENT O. G. GUTTER.

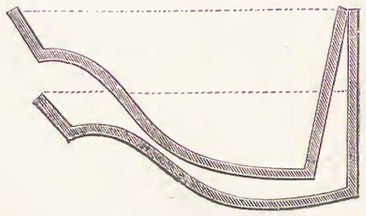
CAST IRON, LEFT HAND SOCKETS.



NEW STYLE



OLD STYLE



THIS IMPROVED GUTTER is commanding a ready sale, being heavy and straight. By the simple method of casting three iron wedges on the back of the ordinary O.G., it raises the front, so that when fixed it has the capacity of a **Moulded Gutter**, at considerably **less cost.**

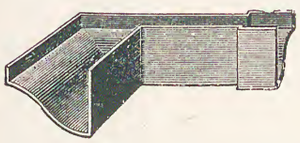
		Sizes, 3½	4	4½	5	6 ins.	
No. 4318.	**O. G. Gutters**, in 6 ft. Lengths	11½d.	1/-	1/1	1/3	1/7	per yard.
	,, ,, in 2, 3, and 4 ft. Lengths	2d.	2d.	2d.	3d.	3d	extra per yard.
	Angles and Nozzles	1/-	1/1	1/3	1/5	1/9	each.
	Stop Ends, Loose or Cast on	2½d.	2½d.	3d.	4d.	5d.	,,
	Lion Heads ,, ,, ,,	4d.	4d.	4d.	4d.	4d.	,,
	Plain Union Clips	6d.	6d.	8d.	8d.	10d.	,,
	Stop End with Outlet	9d.	10d.	11d.	1/-	1/4	,,

SPECIAL PRICES quoted upon application for Gutters, &c., sent FROM WORKS to any Station CARRIAGE PAID.

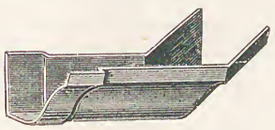
O. G. GUTTERING.



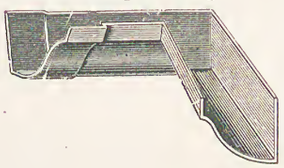
External Square Angle.



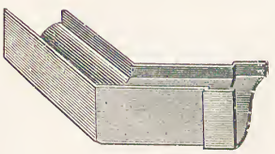
Obtuse External Angle.



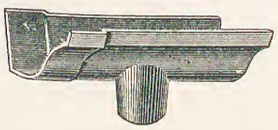
Internal Square Angle.



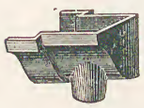
Obtuse Internal Angle.



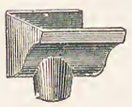
Nozzle. Piece.



Faucet Stop Nozzle.



Spigot Stop Nozzle.



Union Clip.



Faucet Stop End.



Spigot Stop End.



FROM LONDON STOCK, carriage forward. Despatched on receipt of Order.

ORDINARY CAST IRON LEFT HAND SOCKETS.

		Sizes, 3 & 3½	4	4½	5	6 ins.	
No. 4314.	**O. G. Gutters,** in 6 ft. Lengths	11d.	11¼d.	1/-½d.	1/2	1/6½d.	per yard.
	,, ,, in 2, 3, and 4 ft. Lengths	2d.	2d.	2d.	3d.	3d.	extra per yard.
	Angles and Nozzles	1/-	1/1	1/3	1/5	1/9	each.
	Stop Ends Loose or Cast on	2½d.	2½d.	3d.	4d.	5d.	,,
	Lion Heads, ,, ,,	4d.	4d.	4d.	4d.	4d.	,,
	Plain Union Clips	6d.	6d.	8d.	8d.	10d.	,,
	Stop End with Outlet	9d.	10d.	11d.	1/-	1/4	,,

2½ in. O. G. Gutter is specially cast for Greenhouses and Bay Windows.

STRONG WROUGHT-IRON SUNK-END EAVES GUTTERS. GALVANIZED OR PAINTED. 6ft. Lengths.

		Sizes, 3	3½	4	4½	5	6 ins.	
No. 4315.	Galvanized Wrought O. G. Gutter	2/4	2/9	3/-	3/3	3/6	4/-	per 6 ft. length.
	,, Angles, Nozzles	2/3	2/6	2/9	3/-	3/3	4/-	each.
	,, Stop Ends	1/-	1/-	1/-	1/-	1/2	1/4	,,
No 4316.	Painted Wrought O. G. Gutter	2/-	2/3	2/8	2/9	3/-	3/3	per 6 ft. length.
	,, Angles, Nozzles	2/-	2/-	2/3	2/6	3/-	3/3	each,
	,, Stop Ends	10d.	10d.	10d.	10d.	1/-	1/2	,,

ZINC GUTTER. In 7 ft. Lengths.

		Sizes, 2½	3	3½	4	4½	5 ins.	
No. 4317.	Zinc O. G. Gutter	1/7	1/9	2/-	2/3	2/6	2/9	per length.
	Angles	1/4	1/5	1/6	1/8	1/10	2/-	each.
	Outlets	7d.	8d.	9d.	10d.	1/-	1/2	,,
	Stop Ends	5d.	6d.	7d.	9d.	10d.	1/-	,,

RAIN WATER PIPE AND CONNECTIONS.



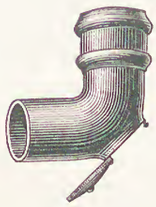
Square Elbow.



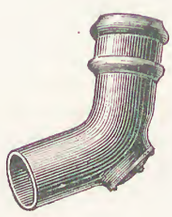
Obtuse Elbow.



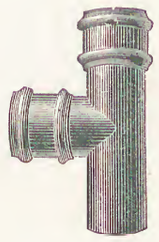
Square Elbow with Cleaning Door.



Obtuse Elbow with Cleaning Door.

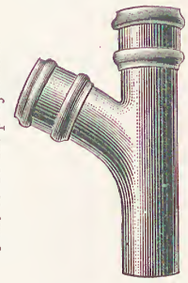


T Piece

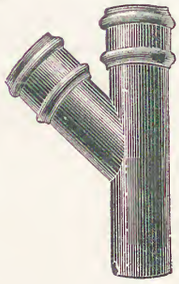


Curved Branch.

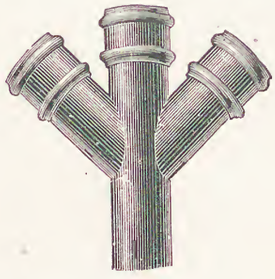
6 in. to 18 in. projection.



Single Socket Branch Piece.

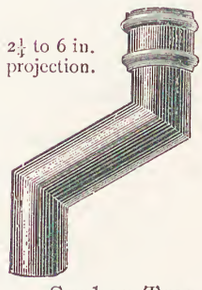


Double Socket Branch Piece.



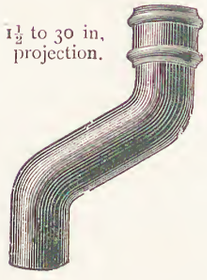
Plinth Offset.

2¼ to 6 in. projection.

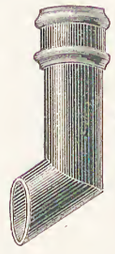


Offset.

1½ to 30 in. projection.



Boot.



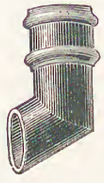
Union Socket.



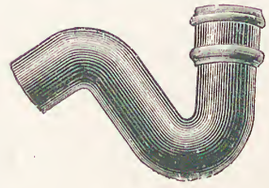
Pipe Head.



Shoe.



Syphon Trap.



From London Stock. Carriage forward. Despatch on receipt of Order.

No. 4319.	2	2½	3	3½	4	4½	5	6 ins.
Pipes, with or without ears	11½d.	1/1	1/3	1/7	1/8	2/6	2/9	3/6 yd.
Do. 2, 3 & 4ft. lengths extra	4d.	4d.	4d.	4d.	4d.	6d.	6d.	6d. ,,
Shoes, with or without ears	9d.	10d.	1/-	1/4	1/6	2/2	2/8	3/9 ea.
Boots, ,, ,, 15 in.	1/1	1/3	1/7	1/10	2/-	3/-	3/6	4/9 ,,
Heads, flat and angle	1/3	1/5	1/8	2/-	2/3	3/2	4/-	5/- ,,
Elbows, square and obtuse	11d.	1/1	1/4	1/7	1/11	2/8	3/6	4/6 ,,
Do. with door	—	—	2/9	3/-	3/4	4/2	5/-	6/3 ,,
Offsets, 3 in. projection	1/-	1/1	1/4	1/8	2/-	2/6	3/3	4/6 ,,
Do. 4½ and 6 in. projection	1/2	1/4	1/6	1/10	2/4	3/4	4/-	5/3 ,,
Do. 9 in. projection	1/6	1/8	2/-	2/6	3/-	4/-	4/9	6/- ,,
Do. 12 in. ,,	1/10	2/1	2/5	3/-	3/6	4/6	5/6	7/3 ,,
Do. 15 in. ,,	2/3	2/6	2/10	3/6	4/3	5/3	6/6	8/6 ,,
Do. 18 in. ,,	2/6	2/10	3/4	4/-	4/9	6/-	7/6	9/6 ,,
Do. 21 in. ,,	3/-	3/3	3/9	4/6	5/6	8/-	9/6	11/6 ,,
Do. 24 in. ,,	3/6	4/-	4/4	5/3	6/6	9/-	10/6	12/9 ,,
Do. 27 in. ,,	4/-	4/6	5/-	6/-	7/6	10/6	12/-	15/- ,,
Do. 30 in. ,,	4/6	5/-	5/6	6/6	8/6	12/-	14/-	17/- ,,

	2	2½	3	3½	4	4½	5	6 ins.
T pieces	1/3	1/6	2/-	2/4	2/10	4/-	4/6	7/- ea.
Sockets	6d.	7d.	9d.	11d.	1/1	1/4	1/8	2/- ,,
Syphon Traps	2/3	2/6	2/9	3/6	4/6	6/-	8/-	10/6 ,,
Do. with Door	3/9	4/-	4/3	5/-	6/-	7/9	10/-	12/6 ,,
Branch Pieces { Single, with Sockets	1/3	1/6	2/-	2/4	2/10	4/-	4/6	7/- ,,
Branch Pieces { Double, ,,	2/-	2/6	3/-	3/6	4/3	6/-	6/9	10/6 ,,
Branch Pieces { Cast on pipes, "Spigot"	1/-	1/3	1/6	1/9	2/-	3/-	3/6	4/6 ,,
Ornamental Loose Ears	1/1	1/2	1/2	1/5	1/5	1/8	1/10	2/- ,,
Branches—								
Curved Arm, 6 in. projection	—	—	—	—	2/10	—	—	— ,,
Do. 9 in. ,,	—	—	—	—	3/8	—	—	— ,,
Do. 12 in. ,,	—	—	—	—	4/4	—	—	— ,,
Do. 16 in. ,,	—	—	—	—	5/3	—	—	— ,,
Do. 18 in. ,,	—	—	—	—	5/9	—	—	— ,,
Plinth Bends, 2¼ in. ,,	1/1	1/2	1/6	1/10	2/2	2/9	3/6	4/9 ,,
Do. 3 in. ,,	1/1	1/2	1/6	1/10	2/2	2/9	3/6	4/9 ,,
Do. 4½ in. ,,	1/3	1/6	1/8	2/-	2/6	3/6	4/3	5/6 ,,
Do. 6 in. ,,	1/6	1/9	1/11	2/2	2/8	3/9	4/6	6/- ,,

Special Prices quoted upon application for Pipes, &c., sent from Works carriage paid to any Station.

HEAVY RAIN WATER PIPES.

PIPES—	No. 4320. 3/16 in. metal. 2½	3	3½	4	No. 4321. ¼ in. metal. 3	3½	4	4½	No. 4322. 5/32 in. metal, wide faucet.
Average weight per length	24	30	36	36	40	47	52	65	4 inches. 36 lbs.
6 ft. lengths	1/11	2/3	2/7	2/8	2/7	2/11	3/2	4/-	2/4 per yard.
2, 3 and 4 ft. lengths extra	4d.	4d.	4d.	4d.	4d.	4d.	4d.	6d.	4d. ,,
Elbows	1/7	1/10	2/3	2/7	2/4	2/9	3/3	4/2	2/7 each.
Offsets, 3 in projection	1/9	2/2	2/7	3/-	2/6	3/-	3/9	4/4	3/- ,,
Do. 4½ ,,	1/11	2/7	3/-	3/6	3/-	3/9	4/3	5/-	3/6 ,,
Do. 6 ,,	2/3	3/-	3/6	4/-	3/9	4/3	5/-	6/-	4/- ,,
Do. 9 ,,	2/10	3/6	4/-	4/9	4/3	5/-	6/-	6/9	4/9 ,,
Do. 12 ,,	3/6	4/-	5/-	5/6	5/-	6/-	6/9	7/9	5/6 ,,
Branches, single	2/4	2/8	3/2	3/9	3/6	4/-	4/9	6/3	3/9 ,,
Do. double	3/4	3/9	4/6	5/3	4/9	5/6	6/6	8/4	5/3 ,,
Union Sockets	1/-	1/1	1/4	1/7	1/5	1/9	2/-	2/4	1/7 ,,
Shoes	1/3	1/5	1/10	2/2	1/10	2/4	2/9	3/6	2/2 ,,

No. 4323. GALVANIZED CAST RAIN WATER PIPES.

Round Cast R. W. Pipes, in 6ft. lengths 2 ins. **2/3** 2½ ins. **2/8** 3 ins. **3/-** 3½ ins. **3/6** 4 ins. **3/8** 5 ins. **6/3** 6 ins. **8/-** per yard.

Galvanized Rain Water connections double the price of Black. Short Lengths 2 to 4 ins. **3**d. 5 in. and 6 ins. **6**d. per yard extra.

No. 4324. Galvanized Wrought Down Pipes.

	1½	2	2½	3	3½	4	4½	5 ins.
Galvanized Wrought R.W. Pipe	2/3	2/6	2/9	3/-	3/3	3/6	5/6	6/- per 6 ft. length.
,, O.G. Heads	4/-	4/-	5/-	5/-	6/-	8/-	10/-	12/- ea.
,, Circular Bends	1/6	1/8	1/9	2/-	2/6	2/9	3/-	4/- ,,
,, Shoes	10d.	10d.	1/-	1/3	1/6	1/9	2/-	2/- ,,

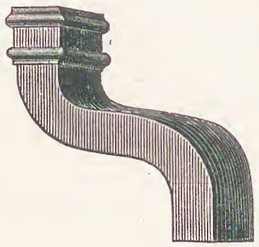
No. 4325. Zinc Rain Water Pipes.

Sizes	1½	2	2½	3	3½ ins.
Zinc Pipes	1/4	1/8	2/-	2/3	2/6 per 7 ft. length.
,, Bends	8d.	9d.	11d.	1/1	1/8 each.
,, Shoes	9d.	11d.	1/1	1/3	1/6 ,,
,, Heads, Square	1/6	1/7	1/8	1/9	2/6 ,,
,, ,, Bell	1/9	2/-	2/1	2/3	3/- ,,

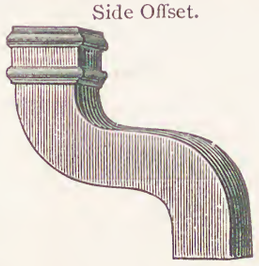
RECTANGULAR PIPES AND CONNECTIONS.



No. 4326.



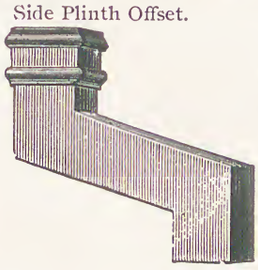
Front Offset.



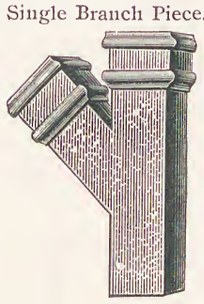
Side Offset.



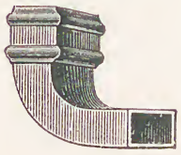
Front Plinth Offset.



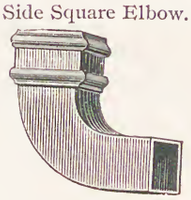
Side Plinth Offset.



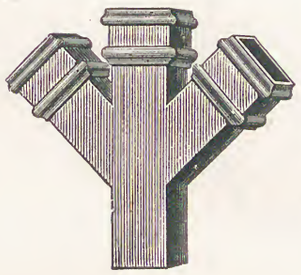
Single Branch Piece.



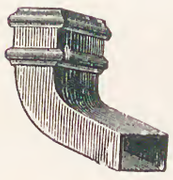
Square Elbow.



Side Square Elbow.



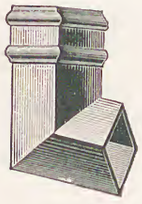
Double Branch Piece.



Obtuse Elbow.



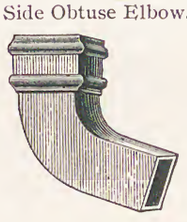
Union Socket.



Corner Shoe.



Shoe.



Side Obtuse Elbow.



No. 4327.



No. 4334.



No. 4335.



No. 4336.



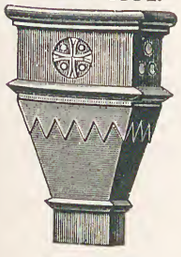
No. 4337.



No. 4338.



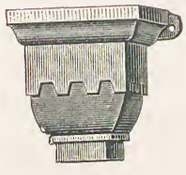
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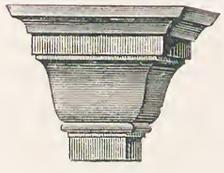
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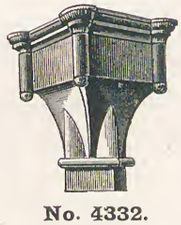
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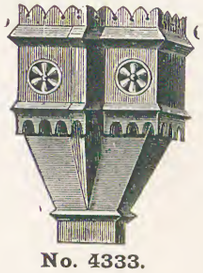
No. 4330.



No. 4331.



No. 4332.



No. 4333.

SQUARE OR RECTANGULAR PIPES AND CONNECTIONS—(PAINTED, 5 per cent. extra).

	2½×2	3×2	3×2½	3×3	3½×2½	3½×3½	4×2	4×2½	4×3	4×3½	4×4	4½×3	4½×3½	5×3½	5×4	6×4	6×6	7×4 ins.
PIPES, **No. 4326**, 6 ft. ..	**2/6**	**2/8**	**2/9**	**3/-**	**3/-**	**3/6**	**3/3**	**3/3**	**3/3**	**3/9**	**4/3**	**3/9**	**4/3**	**4/9**	**5/3**	**6/-**	**7/9**	**8/-** per yd.
Do. 2, 3 and 4 ft.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/6**	**1/6** extra.
Angle Ears, cast on ..	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**8**d.	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/-**	**1/6**	**1/6** ,,
Shoes	**2/6**	**2/6**	**2/6**	**3/-**	**3/-**	**3/6**	**3/1**	**3/1**	**3/1**	**3/8**	**4/-**	**3/8**	**4/-**	**4/8**	**5/-**	**5/9**	**7/9**	**8/-** each.
Elbows, square and obtuse	**2/6**	**2/6**	**2/6**	**3/-**	**3/-**	**3/6**	**3/1**	**3/1**	**3/1**	**3/8**	**4/-**	**3/8**	**4/-**	**4/8**	**5/-**	**5/9**	**7/9**	**8/-** ,,
Offsets, 3 in. projection ..	**3/-**	**3/-**	**3/-**	**3/6**	**3/6**	**4/1**	**3/8**	**3/8**	**3/8**	**4/6**	**4/10**	**4/6**	**4/10**	**5/6**	**6/-**	**7/-**	**9/3**	**9/9** ,,
,, 6 ,, ..	**3/6**	**3/6**	**3/6**	**4/-**	**4/-**	**4/8**	**4/1**	**4/1**	**4/1**	**4/9**	**5/3**	**4/9**	**5/3**	**6/3**	**6/6**	**7/9**	**10/3**	**10/9** ,,
,, 9 ,, ..	**4/3**	**4/3**	**4/3**	**5/-**	**5/-**	**5/9**	**5/2**	**5/2**	**5/2**	**6/2**	**6/6**	**6/2**	**6/6**	**7/9**	**8/3**	**9/6**	**12/6**	**13/6** ,,
,, 12 ,, ..	**5/-**	**5/-**	**5/-**	**5/10**	**5/10**	**7/-**	**6/2**	**6/2**	**6/2**	**7/3**	**8/**	**7/3**	**8/-**	**9/3**	**10/-**	**11/6**	**15/3**	**16/-** ,,
,, 15 ,, ..	**7/6**	**7/6**	**7/6**	**8/9**	**8/9**	**10/6**	**9/3**	**9/3**	**9/3**	**11/-**	**12/-**	**11/-**	**12/-**	**13/9**	**15/-**	**17/-**	**23/-**	**24/-** ,,
,, 18 ,, ..	**10/-**	**10/-**	**10/-**	**11/9**	**11/9**	**14/-**	**12/3**	**12/3**	**12/3**	**14/9**	**16/-**	**14/9**	**16/-**	**18/6**	**20/-**	**22/9**	**30/6**	**32/-** ,,
,, 21 ,, ..	**12/6**	**12/6**	**12/6**	**14/9**	**14/9**	**17/6**	**15/3**	**15/3**	**15/3**	**18/6**	**20/-**	**18/6**	**20/-**	**23/-**	**25/-**	**28/6**	**38/-**	**40/-** ,,
Plinth Bends, 2¼ in. proj. }																		
,, 2½ ,, }	**3/-**	**3/-**	**3/-**	**3/6**	**3/6**	**4/1**	**3/8**	**3/8**	**3/8**	**4/6**	**4/10**	**4/6**	**4/10**	**5/6**	**6/-**	**7/-**	**9/3**	**9/9** ,,
,, 3 ,, }																		
,, 4½ ,, }	**3/6**	**3/6**	**3/6**	**4/-**	**4/-**	**4/8**	**4/1**	**4/1**	**4/1**	**4/9**	**5/3**	**4/9**	**5/3**	**6/3**	**6/6**	**7/9**	**10/3**	**10/9** ,,
,, 6 ,, }																		
Branch Pieces, single ..	**4/-**	**4/-**	**4/-**	**4/6**	**4/6**	**5/3**	**4/9**	**4/9**	**4/9**	**5/6**	**6/3**	**5/6**	**6/3**	**7/-**	**7/6**	**8/6**	**11/6**	**12/-** ,,
,, double ..	**5/-**	**5/-**	**5/-**	**5/9**	**5/9**	**7/-**	**6/3**	**6/3**	**6/3**	**7/6**	**8/-**	**7/6**	**8/-**	**9/3**	**10/-**	**11/6**	**15/3**	**16/-** ,,
Union Sockets	**1/4**	**1/4**	**1/4**	**1/6**	**1/6**	**1/9**	**1/7**	**1/7**	**1/7**	**1/10**	**2/-**	**1/10**	**2/-**	**2/4**	**2/6**	**2/10**	**3/9**	**4/-** ,,
PIPES, ornamental **No. 4327.** 6 ft.	—	—	**3/4**	**3/9**	**3/9**	—	—	—	**3/10**	**4/6**	**4/10**	—	—	—	—	—	—	— ,,

ORNAMENTAL EARS, Loose.—For square or round pipes.

No. 4334 to **No. 4339** ..	**1/4**	**1/4**	**1/4**	**1/4**	**1/6**	**1/6**	**1/6**	**1/6**	**1/6**	**1/6**	**1/7**	**1/9**	**1/9**	**2/-**	**2/-**	**2/2**	**2/6**	**2/6** each.

ORNAMENTAL HEADS (drawings above).

No. 4328.
11 × 8 × 13¾ ins.
2 × 2½ to 4 × 4 ins. sq.
14/- each.

No. 4329.
11 × 7½ × 9 ins.
2 × 2½ to 4 × 3 ins. sq.
3/- each.

No. 4330.
9¾ × 6½ × 10 ins.
2½ × 2 to 3 × 3 ins. sq.
3/6 each.

No. 4331.
11 × 7½ × 7¾ ins.
2½ × 2 to 4 × 3 ins. sq.
5/3 each.

No. 4332.
6¾ × 6¾ × 10¼ ins.
2½ × 2 to 3 × 3 ins. sq.
6/3 each.

No. 4333.
11 × 7¼ × 17 ins.
2½ × 2 to 4 × 4 ins. sq.
20/- each.

ORNAMENTAL CAST IRON GUTTER.

PRICE PER YARD.

No. 4340.



Sizes.	Per Yard.
4 ×3 in.	1/9
4½×3 ,,	1/10
5 ×3 ,,	2/-
5 ×4 ,,	2/3
6 ×4 ,,	2/6
6 ×4½ ,,	2/9
9 ×5½ ,,	5/6

No. 4341.



Sizes.	Per Yard.
3¾×2 ×2⅞ in.	1/7
4 ×3 ×2½ ,,	1/10
5 ×3½×3⅛ ,,	2/3
5 ×5 ×3¼ ,,	3/3
6 ×4 ×3¾ ,,	2/6
7 ×5 ×5⅝ ,,	4/-
9 ×9 ×6 ,,	9/6

No. 4342.



Sizes.	Per Yard.
3¼×2 ×2¼ in.	1/7
4 ×3 ×2½ ,,	1/10
4½×3 ×2¾ ,,	2/-
5 ×4 ×2⅝ ,,	2/3
6 ×4½×3⅜ ,,	2/9
7 ×4 ×4¾ ,,	3/6
10 ×7 ×6¼ ,,	7/9

No. 4343.



Sizes.	Per Yard.
5×3×3 in.	2/2
5×4×3 ,,	2/3
6×4×3⅞ ,,	2/6

No. 4344.



Sizes.	Per Yard.
4 ×3 ×2¼ in.	1/9
4½×3 ×2⅝ ,,	2/-
5 ×3 ×2¾ ,,	2/3
5½×3½×2¾ ,,	2/4
5 ×4½×2⅝ ,,	2/6
6 ×4 ×3⅛ ,,	2/6
7 ×5 ×3½ ,,	4/-

No. 4345.



Sizes.	Per Yard.
4½×3×2 in.	2/-
5 ×4×2⅜ ,,	2/3
6 ×5×2½ ,,	3/2

No. 4346.

L. S. B.



Size, 5×4×3⅛ in.

2/3 Per Yard.

No. 4347.



Size, 9×6×¼ in.

7/6 Per Yard.

No. 4348.



Sizes.	Per Yard.
4 ×3×3⅝ in.	2/3
4 ×4×3¾ ,,	2/6
5 ×4×4½ ,,	2/9
6 ×4×5¾ ,,	4/6
6 ×6×5¼ ,,	4/9
9 ×6×8¾×1 3/16 in.	6/3
12×6×11¾×1 3/16 ,,	8/-

No. 4349.



Sizes.	Per Yard.
4½×3 ×2¾ in.	2/-
5 ×3 ×3¾ ,,	2/6
5½×4½×3⅜ ,,	3/-
6 ×5 ×4 ,,	3/6
8 ×6 ×4⅝ ,,	5/2

No. 4350.



Sizes.	Per Yard.
7 ×4 ×4¾ in.	3/6
8 ×4½×3⅛ ,,	4/3
10 ×4 ×3¾ ,,	4/6
11 ×4½×4⅜ ,,	5/-
14 ×5 ×5½ ,,	6/-
14 ×5 ×5⅛×⅜ in.	11/6

No. 4351.

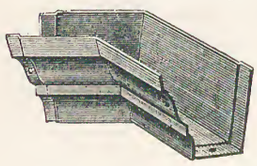


Sizes	Per Yard.
10×4½×5 in.	4/6
15×5 ×2¼ ,,	5/8
19×5 ×4½ ,,	7/-
9×5 ×6¾×¼ in.	6/-
11×3 ×3 ×¼ ,,	4/6
19×5 ×6 ×¼ ,,	8/-

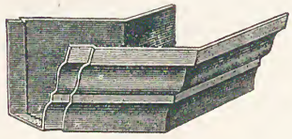
NOTE.—Measurements are taken—Width, Depth and Sole.

CONNECTIONS FOR MOULDED GUTTERS.

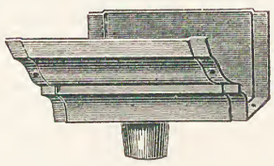
Obtuse Internal Angle.



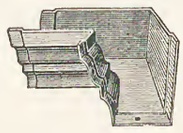
Obtuse External Angle.



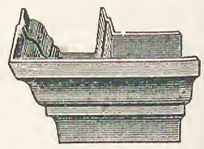
Nozzle Piece.



Internal Angle.



External Angle.

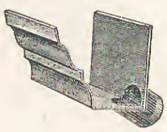


Nos. 4340, 4341, 4342, 4343, 4344, 4345, 4346, 4347, 4348, 4349. — Square Angles, Obtuse Angles 45°, Nozzle Pieces, Double Angles and Special Angles — Charged as one yard of gutter. Charged as three yards of gutter.

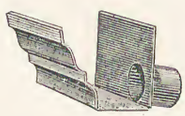
Nos. 4350 and 4351 — Square Angles, Obtuse Angles 45°, Nozzle Pieces — Charged as two yards of gutter.

Special Angles charged as three yards of gutter.

Back Drop on Angle.



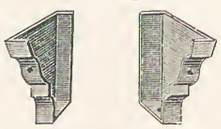
Back Drop on Flat.



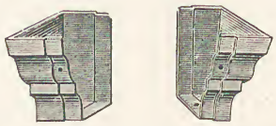
Union Clip.



Faucet Stop Ends.



Spigot Stop Ends.



Return Stop End.



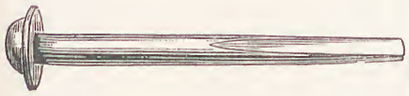
Clips, Stop Ends. Drops cast on bottom. — for any of above sections Charged as one third of yard.

Drops Cast on Back. Any Section Gutter. Charged as one yard.

Return Ends to suit any of above sections charged as half yard.

Cutting and Laying out Gutters to Sketch, etc., 5 per cent. extra. Painting 5 per cent. extra.
Short Lengths. 2 feet will be charged as 1 yard, above 2 feet to 4 feet as 1½ yards, above 4 feet to 6 feet as 2 yards.

PIPE NAILS.



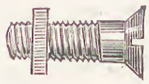
No. 4352.

Sizes,	2½	3	3½	4 ins.
Per 14 lbs.,	**4/6**	**4/3**	**4/-**	**4/-**
,, 28 ,,	**8/-**	**7/9**	**7/6**	**7/6**
,, ½ cwt.	**15/6**	**15/-**	**14/9**	**14/6**
,, 1 ,,	**30/-**	**29/-**	**28/6**	**28/-**

Per gross, assorted, **4/6.**

No. 4353. Cheaper quality, **24/-** per cwt.

GUTTER BOLTS AND NUTS.



No. 4354.

2/9

Per gross.

4d.

Per dozen.

GALVANIZED GUTTER SCREW.

Large Head.



No. 4355.

Price – 5/- per gross.

Drawn full-size.

PIPE HOOKS.

For Rain Water Pipes, etc.



No. 745.

Sizes,	2	2½	3	4	5 ins.
Black ..	**1/-**	**1/4**	**1/8**	**2/-**	**2/10** doz.
Galvanized	**1/4**	**1/9**	**2/2**	**2/8**	**3/6** ,,

Black **27**/- cwt., Galvanized **37**/- cwt

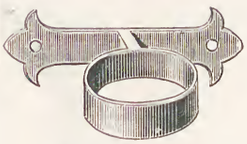


No. 4356.

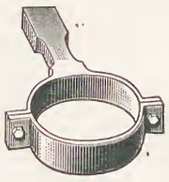
Wire Roses, Galvanized.

Sizes, 2 to 4	4½	5	6 ins.
5/-	**6/6**	**8/-**	**10/6** doz.

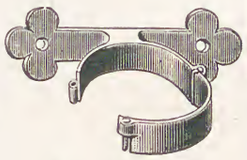
CAST IRON PROJECTING RAIN WATER PIPE EARS.



No. 4357.
2½ in. projection.



No. 4358.



No. 4359.

Sizes,	2	2½	3	3½	4	4½	5	6 ins.	
No. 4357,	**1/-**	**1/1**	**1/1**	**1/4**	**1/4**	**1/6**	**1/8**	**1/10**	each.
,, **4358,**	**1/9**	**1/11**	**2/1**	**2/3**	**2/5**	**2/7**	**2/9**	**3/1**	,,
,, **4359,**	**1/8**	**1/10**	**2/-**	**2/2**	**2/4**	**2/6**	**2/8**	**3/-**	,,



No. 4360.

Wire Balloons, Galvanized.

Sizes, 2 to 4	4½	5	6 ins.
8/-	**13/3**	**15/-**	**26/6** doz.

WROT IRON GUTTER BRACKETS, SELF COLOUR.



No. 4361.
Facia with Stay.



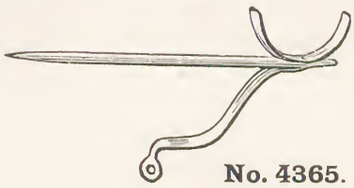
No. 4362.
Rafter.



No. 4363.
Facia.



No. 4364.
To Drive.

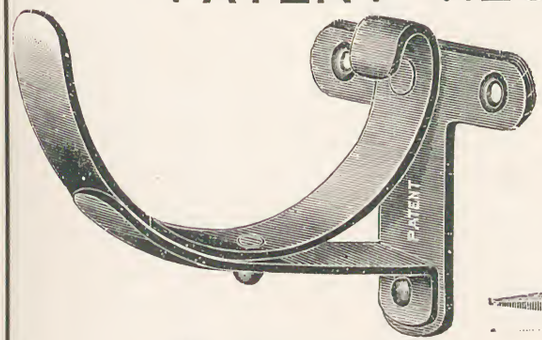


No. 4365.
To drive, with Stay.

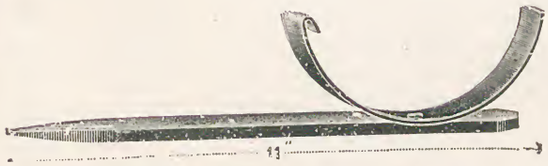
Nos.	4361.	4362.	4363.	4364.	4365.
	3/9	**2/9**	**2/-**	**2/3**	**2/9** per dozen.

PATENT REGISTERED GUTTER BRACKETS.

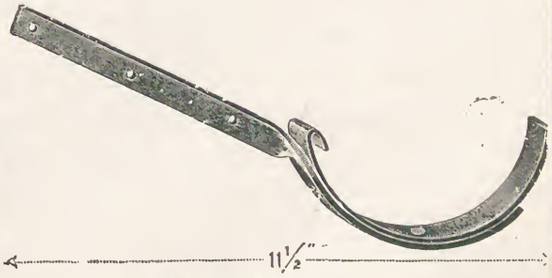
Galvanized Wrot Iron.



No. 4370. Facia.



No. 4371. To Drive.



No. 4372. Rafter.

All Sizes to 5 ins., **No. 4370** .. .. **32/9** per gross.
,, ,, ,, **4371** .. .. **38/-** ,,
,, ,, ,, **4372** .. .. **40/-** ,,

SOIL PIPES AND CONNECTIONS

PIPES WITH OR WITHOUT EARS.

Socket.

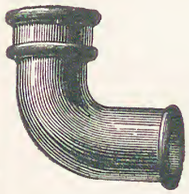




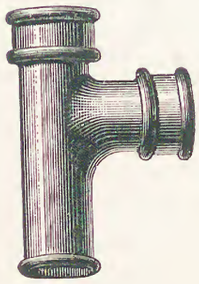
Shoe.



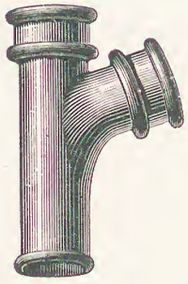
90° Bend.



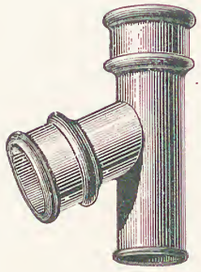
90° Branch.



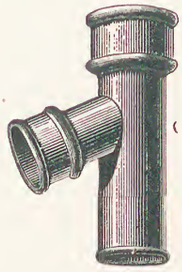
112½° Branch.



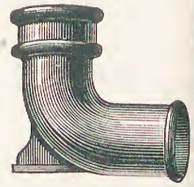
Inverted Branch.



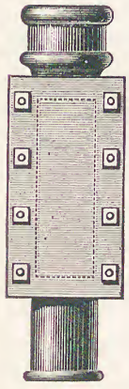
Inverted Diminishing Branch.



90° Branch with Heel Rest.



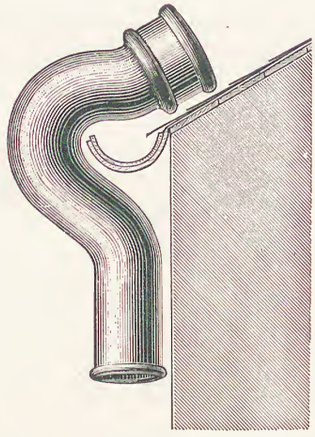
Inspection Pipe.



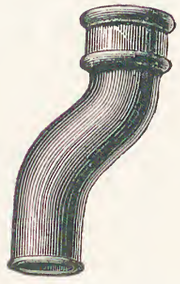
Diminishing Piece.



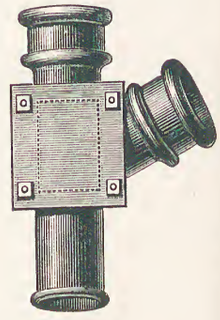
Roof Syphon.



Offset.



Branch with Access Door (right or left).



SANITARY PIPES AND CONNECTIONS.

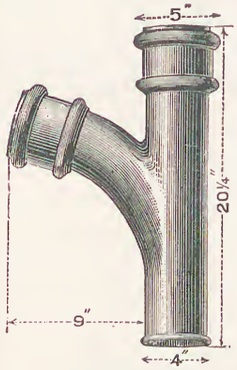
SOIL PIPES, Full Bore—	**No. 4373** Soil, Pipe, $\frac{3}{16}$ in. Metal.								**No. 4374.** Soil, Pipe, $\frac{1}{4}$ in. Metal.								
	2	2½	3	3½	4	4½	5	6	2	2½	3	3½	4	4½	5	6	ins.
Average weight per length	20	26	32	38	44	54	60	84	26	33	43	48	54	70	80	104	lbs.
6 ft. lengths	1/8	1/10	2/2	2/6	2/9	3/8	4/-	5/4	2/2	2/4	2/8	2/11	3/4	4/-	5/6	6/10	p. yd.
Short Pipes, 2, 3 and 4 ft. lengths, extra Double Sockets	/4	/4	/4	/4	/4	/6	/6	/6	/4	/4	/4	/4	/4	/6	/6	/6	,, extra.
Single Spigot Branch, 112½ deg. (cast on any position extra)	1/3½	1/5	1/7	1/10	2/1	2/8	3/-	4/-	1/8	1/10	2/-	2/4	2/8	3/2	3/10	5/2	each.
Single Socket Branch, 112½ deg. (curved cast on extra)	2/4	2/10	3/2	3/6	4/-	5/-	6/8	9/4	3/-	3/4	4/-	4/4	5/-	6/3	8/6	11/8	,,
Bends, 90, 95, 100, 112, 135 deg.	1/7½	1/8	1/11	2/4	2/9	3/6	4/-	5/6	2/-	2/2	2/6	2/11	3/4	4/4	5/-	6/10	,,
Bends, with heel rests	2/-	2/3	2/6	2/10	3/6	4/4	5/-	7/-	2/8	2/9	3/2	3/8	4/4	5/3	6/5	8/9	,,
Bends, with small door, with 2 or 3 bolts, right, left or at angle	4/8	5/-	5/4	5/10	6/3	7/-	7/10	9/4	5/10	6/5	6/10	7/3	7/8	8/9	9/9	11/8	,,
Bends, with raised flange door and 4 brass bolts, right, left or at angle	7/-	7/10	8/9	9/9	11/6	13/9	15/9	21/-	8/9	9/9	10/9	12/3	14/2	17/-	20/-	26/3	,,
Shoes	1/2	1/4	1/6	2/-	2/4	2/10	3/6	4/8	1/6	1/8	2/-	2/6	3/-	3/8	4/4	5/10	,,
Swan Neck, 3 in. projection	1/6	1/10	2/3	2/8	3/2	3/8	4/8	7/-	2/-	2/4	2/8	3/3	4/-	4/6	5/10	8/9	,,
,, 4½ ,, ,,	1/10	2/-	2/8	3/2	3/8	4/3	5/6	7/9	2/4	2/7	3/3	4/-	4/6	5/3	7/-	9/9	,,
,, 6 ,, ,,	2/-	2/4	3/2	3/8	4/3	5/-	6/6	8/9	2/6	3/-	4/-	4/6	5/3	6/2	8/-	10/9	,,
,, 9 ,, ,,	2/8	3/-	3/8	4/3	5/-	5/6	7/6	9/9	3/2	3/9	4/6	5/3	6/2	7/-	9/2	12/3	,,
,, 12 ,, ,,	3/2	3/8	4/3	5/2	5/8	6/6	8/3	11/8	4/-	4/6	5/3	6/2	7/1	8/-	10/3	14/6	,,
Loose Sockets	/11	1/0½	1/2	1/5	1/8	1/11	2/4	2/8	1/2	1/4	1/6	1/10	2/2	2/6	2/11	3/4	,,
Single Branches, 2 sockets, 90, 95, 100, 112½, and 135 deg.	2/-	2/6	2/10	3/4	3/11	5/-	6/9	9/4	2/8	3/-	3/8	4/3	5/-	6/5	8/6	11/8	,,
Single Branches, with raised flange door and 4 brass bolts, right, left or opposite branch	11/8	12/-	13/3	14/-	15/6	18/-	21/-	25/-	14/7	15/-	16/8	17/6	19/8	22/6	26/3	31/-	,,
Single Branch, diminishing, 2 sockets	2/-	2/6	2/11	3/4	3/11	5/-	6/9	9/4	2/8	3/-	3/8	4/5	5/-	6/5	8/6	11/8	,,
,, inverted, 2 sockets	2/8	3/2	3/6	3/11	4/8	5/10	7/7	10/6	3/4	4/-	4/3	5/-	5/10	7/3	9/6	13/2	,,
Tee, 1 or 2 sockets	2/4	2/10	3/3	3/11	4/4	5/10	7/7	10/6	3/-	3/8	4/1	5/-	5/6	7/3	9/6	13/2	,,
Tee, with 3 ,,	2/8	3/3	3/8	4/4	5/-	6/6	8/3	11/3	3/4	4/1	4/6	5/6	6/3	8/3	10/6	14/2	,,
Double Branch Pieces, 3 sockets, 90, 95, 100, 112½ and 135 deg.	3/2	3/6	3/11	4/8	5/5	7/-	8/8	11/8	4/-	4/5	5/-	5/10	6/10	8/9	10/10	14/7	,,
Double Branch, with raised flanged door and 4 brass bolts	12/6	13/2	14/5	16/4	18/-	20/-	22/-	27/6	15/9	16/8	18/-	20/6	22/9	25/6	29/2	34/-	,,
Double Branch, diminishing, 3 sockets	3/2	3/6	3/11	4/8	5/5	7/-	8/8	11/8	4/-	4/5	5/-	5/10	6/10	8/9	10/10	14/7	,,
,, for corner, 3 sockets	17/3	18/-	18/8	19/6	20/-	22/9	27/6	31/-	21/6	22/6	23/6	24/6	25/6	28/3	34/-	39/-	,,
,, for corner, short inlet																	
Inspection Pipe	—	—	—	—	—	—	—	—	18/-	19/-	20/-	21/-	22/-	—	—	—	,,
Roof Syphons	3/6	4/1	4/8	5/3	5/8	6/6	—	—	4/5	5/3	5/10	6/6	7/1	8/3	—	—	,,
Syphon Trap	—	6/2	7/-	7/10	8/9	9/4	10/-	—	—	7/9	8/9	9/9	10/9	11/9	12/9	—	,,
,, with cleaning door	—	8/-	9/4	11/-	11/8	12/6	13/-	—	—	10/9	11/9	13/9	14/7	15/7	16/7	—	,,
Diminishing Pieces	—	—	1/6	1/9	2/3	2/9	3/3	—	—	—	2/-	2/4	2/9	3/6	4/-	—	,,
No. 4359. Projecting Ear, see page 586	1/8	1/10	2/-	2/2	2/4	2/6	2/8	3/-	1/8	1/10	2/-	2/2	2/4	2/6	2/8	3/-	,,
No. 4358. ,, ,, ,, ,,	1/9	1/11	2/1	2/3	2/5	2/7	2/9	3/1	1/9	1/11	2/1	2/3	2/5	2/7	2/9	3/1	,,

If Painted or Coated 5°/₀/ extra.

No. 4375. L.C.C. Soil Pipes	2/-	2/2	2/6	2/9	3/-	3/10	4/10	5/4 per yard.
No. 4376. Large Socket Rain Water Pipe								4 in. 2/- per yard.

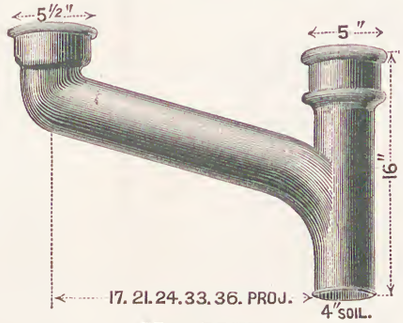
SANITARY CONNECTIONS to connect Earthenware Trap to Cast Iron Soil Pipe.

Branch Pipe.
For use with Connecting Piece or Bend.



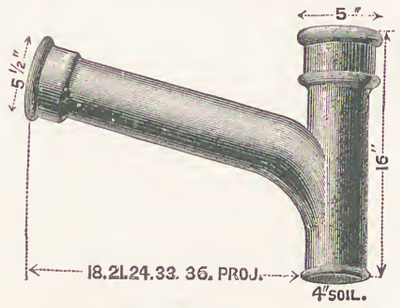
No. 4379.

S.—Branch to take Earthenware Pipe.



No. 4377.

P.—Branch to take Earthenware Pipe.



No. 4378.

Connecting Pipe.

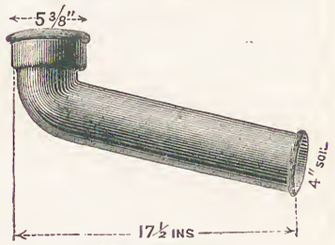


No. 4381.

Inches projection	8	9	12	15	17	18	21	24	27	30	33	36
No 4377.—S. Branch, 4 in. upright	—	**5/3**	**5/9**	**6/3**	**6/9**	**7/-**	**7/3**	**7/9**	**8/3**	**8/9**	**9/3**	**9/9**
,, **4378.**—P. ,, 4 ,,	—	**4/9**	**5/3**	**5/9**	**6/3**	**6/6**	**6/9**	**7/3**	**7/9**	**8/3**	**8/9**	**9/3**
,, **4379.**—5 in. sockets	—	**6/6**	**7/3**	—	—	—	—	—	—	—	—	—
,, **4380.**—Bend	—	—	—	—	**3/6**	—	—	—	—	—	—	—
,, **4381.**—Connecting Pipe ..	**2/-**	—	—	—	—	—	—	—	—	—	—	—

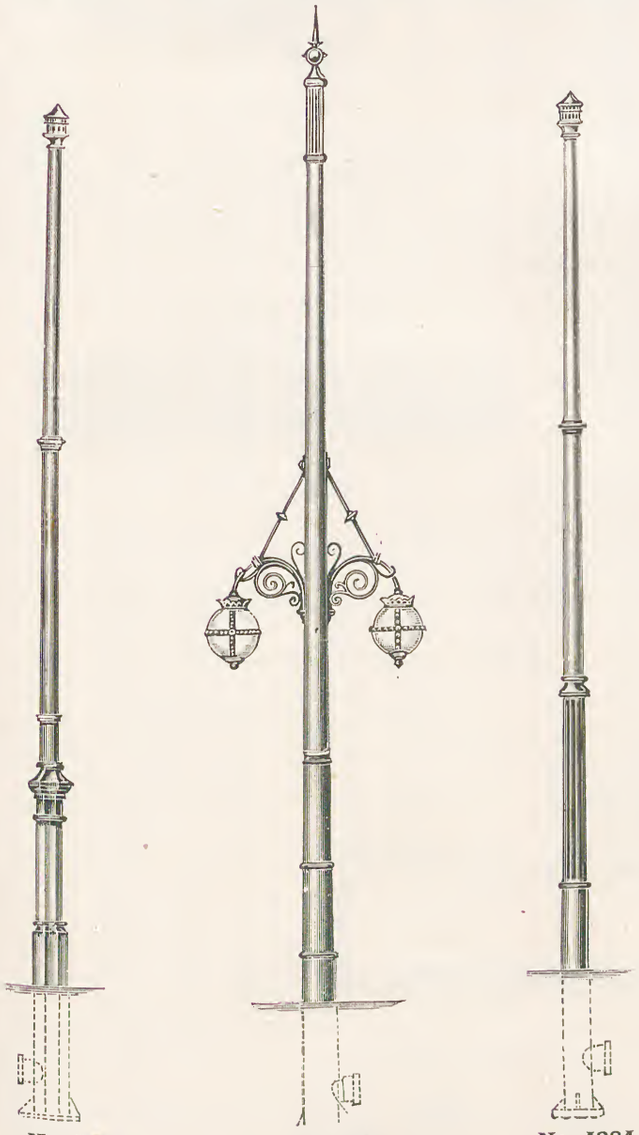
each.
If painted or coated, 5 per cent. extra.

Soil Bend to take Earthenware Pipe.



No. 4380.

SEWER VENTILATING COLUMNS.



No. 4382.
25ft. 6ins. high.
Base 12ins. wide.
Neck 4½ins. diam.

No. 4383.
28ft. 6ins. high.
Base 12ins. diam., Neck 5½ins. diam.
With either 2, 3 or 4 Lamp Brackets.

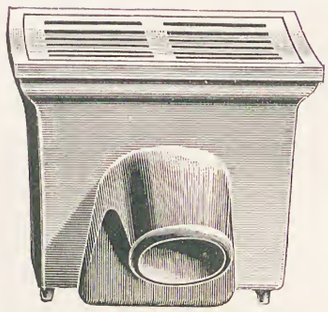
No. 4384.
25 ft. 6ins. high.
Base 9ins. diam,
Neck 4½ins. diam.

PRICES ON APPLICATION.

Can be made any height.
Other designs prepared to suit requirements.

GULLEY TRAPS, CAST IRON.

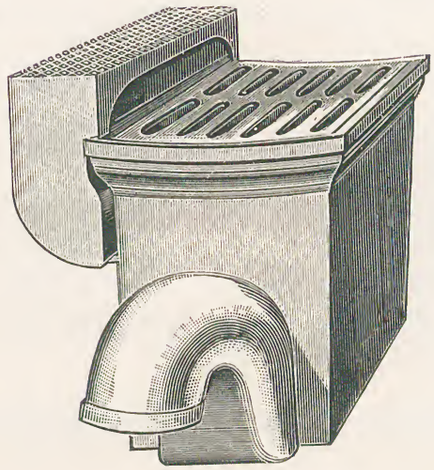
With Hopper Grating and Dirt Box.



No. 4385.

Size. inches.	Depth. inches.	Bore of Outlet inside. inches.	Price each.
10 × 7	9	3	**7/-**
12 × 8	9¾	3	**11/-**
14 × 10	12	3¾	**19/-**
20 × 15	20	4¾	**45/-**
26 × 16	16	4¾	**60/-**

GULLEY TRAP WITH KERB OVERFLOW, CAST IRON.



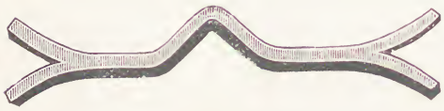
Designed to facilitate the speedy carrying off of storm water rush.

The weir or kerb has a dental surface, and is fixed flush with the pavement.

No. 4386.

Size. inches.	Depth. inches.	Bore of Outlet. inches.	Weight. cwt. qrs. lb.	Price each.
24 × 18	22	5¾	4 3 20	**£3 18s.**
26 × 16	18	5	4 1 16	**£3 18s.**

WALL TIES, ETC.



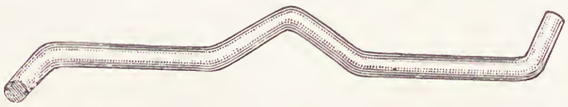
No. 4391. Wrought, Square.
Sizes, 7 8 or 9 ins.
Self Colour. Galvanized.
18/6 **24/6** per cwt.



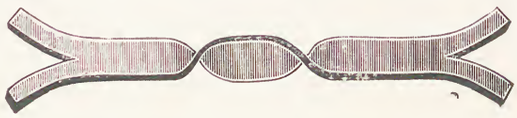
No. 4392. Cast Iron.
Sizes, 7 or 8 ins.
Self Colour. Galvanized.
16/- **29/-** per cwt.



No. 4393. Wrought, Flat Twisted.
Sizes, 7 8 or 9 ins.
Self Colour. Galvanized.
18/6 **24/6** per cwt.



No. 4394. Wrought Round Wire.
Sizes, 7 8 9 ins.
Self Colour. Galvanized.
19/6 **25/6** per cwt.



No. 4395. "SIMPLEX" Steel, 8 ins. long, Light and Strong.
Self Colour about 610 to the cwt. .. .. **24/-** per cwt.
Galvanized about 560 to the cwt. .. .. **32/-** ,,

SCAFFOLD CORDS.



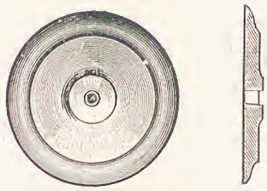
Hemp, **42/6** Jute, **30/-** per cwt.

16 ft. Lengths, Cut and Whipped.

No. 4396. Hemp. **14/-** per dozen.

No. 4397. Jute. **10/-** per dozen.

CAST WALL PLATES.



No. 4398.

Sizes, 6 7 8 10 12 14 ins.
10d. **1/-** **1/3** **2/6** **3/6** **5/-** each.

TIE RODS.

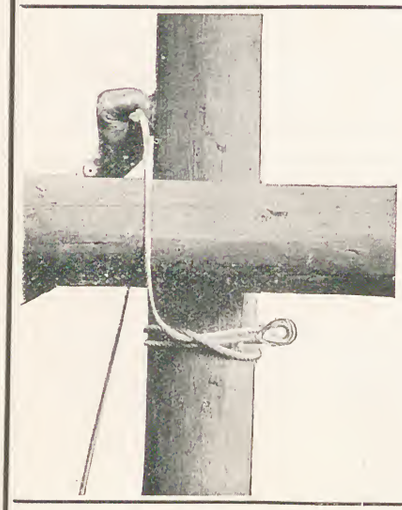


No. 4399. Square Nuts.

Sizes.— ¾ 1 1¼ 1½ 1¾ 2 ins.
19/6 **19/6** **19/6** **21/3** **23/-** **24/9** cwt.

No. 4400. Hexagon Nuts.

21/3 **21/3** **21/3** **23/-** **24/9** **26/9** cwt.



FLEXIBLE STEEL WIRE SCAFFOLD ROPES.

No. 4401.

12 15 18 feet.
27/- **30/-** **33/6** per dozen.

Great Flexibility.
Great Strength and Durability.
No Wedging Required.

ROPE FALLS.



HAND MADE.

Specially prepared for Contractors use.

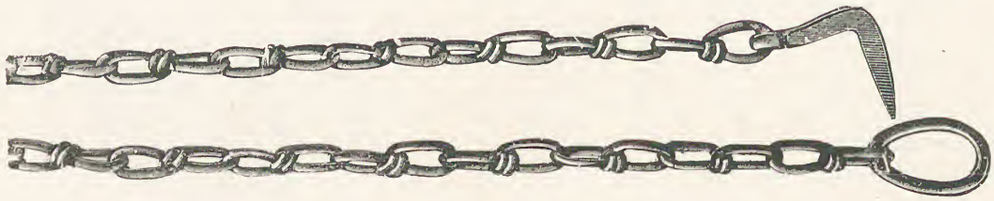
No. 4402. Best White Hemp, **81/9** per cwt., in Coils.

,, **4403.** White Manilla .. **78/3** ,, ,,

Special price for quantity.

SCAFFOLD CHAINS.

With Ring at one end and Hook at other.

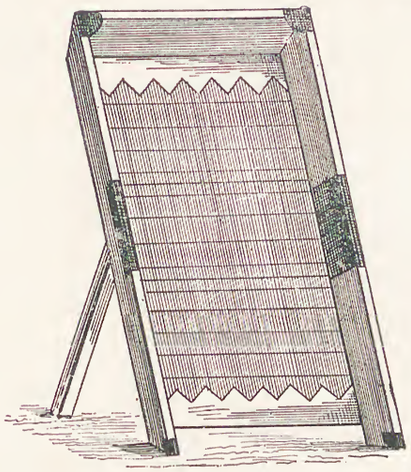


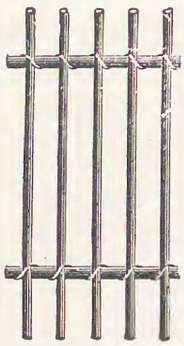
No. 4404. **No. 8.** B. W. G.

Lengths .. .. 10 12 14 16 18 feet.
16/- **17/9** **19/6** **21/3** **23/-** per dozen.

All sizes and Gauges of **BUILDERS' HOOPS**, Black and Galvanized. Large Stock in London. **PRICES ON APPLICATION.**

GRAVEL SCREENS, SIEVES, Etc.

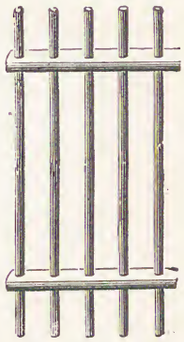




No. 4405. Laced.



No. 4406. Locket.



No. 4407. Patent.

No. 4405. Laced.

Height.	Width.	½	⅜	5/16	¼	3/16	⅛ in. mesh.
60 ×	30 ins.	**20/9**	**21/-**	**22/-**	**23/3**	**24/3**	**27/3** each.
66 ×	33 ,,	**22/-**	**23/-**	**24/-**	**25/-**	**26/-**	**30/-** ,,
72 ×	36 ,,	**24/9**	**25/-**	**25/9**	**26/6**	**27/-**	**33/-** ,,
72 ×	48 ,,	**42/-**	**45/-**	**47/9**	**50/9**	**54/9**	**68/6** ,,

No. 4406. Locket.

Height.	Width.	½	⅜	5/16	¼	3/16	⅛ in. mesh.
60 ×	30 ins.	**24/-**	**24/9**	**26/-**	**27/-**	**28/-**	**32/9** each.
66 ×	33 ,,	**26/-**	**28/-**	**28/-**	**30/-**	**32/-**	**36/-** ,,
72 ×	36 ,,	**31/-**	**33/-**	**34/-**	**34/3**	**36/-**	**41/-** ,,
72 ×	48 ,,	**45/-**	**47/9**	**50/9**	**53/3**	**57/3**	**69/3** ,,

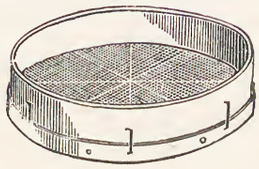
No. 4407. Patent.

Height.	Width.	½	⅜	5/16	¼	3/16 in. mesh.
60 ×	30 ins.	**29/3**	**31/-**	**31/9**	**32/3**	**33/3** each.
66 ×	33 ,,	**30/-**	**32/3**	**33/-**	**33/-**	**34/6** ,,
72 ×	36 ,,	**35/9**	**37/-**	**38/3**	**39/-**	**40/-** ,,
72 ×	48 ,,	**52/9**	**55/9**	**58/9**	**61/9**	**72/-** ,,

Any other kind or pattern of Screen made to order.

MASONS' AND PLASTERERS' SIEVES.

Extra Strong.
Oak Rims, 5 ins. deep inside, 7 ins. deep outside.



No. 4408.
Iron Wire Bottoms.

Mesh to in.	14	16	18	20 in. diam.
3 to 12	**3/9**	**4/3**	**4/6**	**4/9** each.
14 to 18	**4/-**	**4/4**	**4/8**	**4/9** ,,
20	**4/3**	**4/8**	**5/-**	**5/3** ,,
24	**4/6**	**5/-**	**5/3**	**5/9** ,,
30	**4/8**	**5/4**	**5/9**	**6/-** ,,
36	**4/9**	**5/6**	**6/-**	**6/3** ,,
40	**5/-**	**5/9**	**6/3**	**6/9** ,,

Galvanized or Tinned Wire Bottoms, **1/2** per sieve extra.
Cheaper quality Plasterers' Sieves can be supplied.

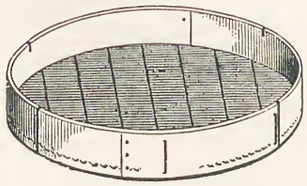
No. 4409.
Masons' and Plasterers' Sieves.
Extra Strong Oak Rims, 5 ins. deep inside, 7 ins. deep outside, with **Copper Wire Bottoms.**

Mesh to in.	14	16	18	20 in. diam.
4 to 10	**5/-**	**5/3**	**6/-**	**7/-** each.
12 to 18	**5/3**	**6/-**	**6/9**	**7/6** ,,
20	**5/6**	**6/9**	**7/-**	**8/-** ,,
24	**5/9**	**7/-**	**7/9**	**8/6** ,,
30	**6/-**	**7/6**	**8/3**	**9/-** ,,
36	**6/6**	**8/-**	**8/9**	**9/3** ,,
40	**7/-**	**8/3**	**9/3**	**10/-** ,,

Iron Handles fitted to Sieves, **1/3** per pair.

GRAVEL SIEVES.

Best Town made. Extra Strong Oak Rims.
3½ ins. deep. Straight Mesh.

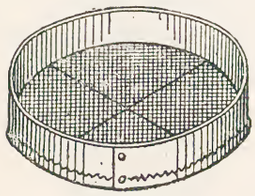


No. 4410.

Diameter	1 to 7/16	⅜	5/16	¼	3/16	⅛ in. mesh.
20 ins.	**3/6**	**3/6**	**3/9**	**3/9**	**4/-**	**4/9** each.
22 ,,	**4/-**	**4/-**	**4/3**	**4/3**	**4/9**	**6/3** ,,
24 ,,	**4/6**	**4/9**	**4/9**	**5/-**	**5/9**	**7/3** ,,

SQUARE MESH GRAVEL SIEVES.

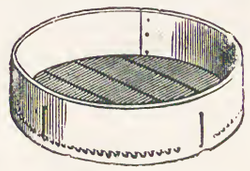
Under and over-wired, the Bottoms worked through the Rims. Extra Strong Oak Rims, 3½ ins. deep.
Best quality.



No. 4412.

Diameter	¾ to ½	7/16	⅜	5/16	¼	3/16	⅛ in. mesh.
20 ins.	**3/3**	**3/9**	**4/-**	**4/6**	**4/9**	**5/3**	**7/-** each.
22 ,,	**4/6**	**4/9**	**5/-**	**5/3**	**5/6**	**6/3**	**7/6** ,,
24 ,,	**5/-**	**5/6**	**5/9**	**6/3**	**6/9**	**7/3**	**8/9** ,,

CINDER AND MOULD SIEVES.



No. 4411.

Best quality only. Oak Rims, 4½ in. deep, wired through the Rims. Straight Mesh.

Mesh	14	16	18	20 ins. diam.
5/16 or 3 holes to in.	**21/-**	**25/-**	**30/-**	**36/-** doz.
3/16 or 4 ,,	**28/-**	**30/9**	**38/9**	**46/9** ,,

RUBBISH BASKET.

All Cane. Well made.



No. 4413.

To hold half-bushel	**4/-** each.
To hold one bushel	**7/-** ,,

Cane Baskets of every description made to order.

FIBROUS ASPHALTE FOR FOUNDATION WALLS.

No. 4414. In Slabs 32 ins. long.

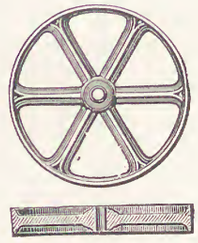
Widths	4½	9	13½	18	23	24	27	30	36 ins.
	2/-	**3/3**	**5/3**	**6/9**	**8/9**	**9/3**	**10/-**	**11/3**	**14/-** per doz. slabs.

IMPROVED FLEXIBLE MASTIC DAMP COURSE

	4½	9	12	14	18 in. stock sizes.
No. 4415.	**1/-**	**1/9**	**2/9**	**3/3**	**3/9** per roll of 11 yds.
No. 4416.	**1/4**	**2/9**	**3/9**	**4/-**	**5/6** ,, ,,
No. 4417.	**1/9**	**3/9**	**4/6**	**5/6**	**7/3** ,, ,,

WHEELS (VARIOUS).

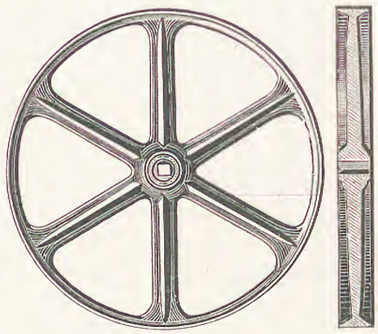
TRUCK WHEEL.



No. 4418.

Sizes	5	6	7	8	9	10	12 ins.
Tyre	1½	1½	1⅝	1⅝	1⅝	1½	1½ in.
Price	**1/-**	**1/2**	**1/4**	**1/6**	**1/6**	**2/-**	**2/6** each.

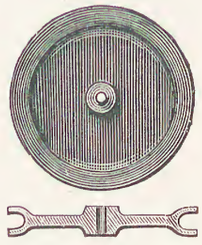
BARROW WHEEL.



No. 4419.

Sizes	12	14	16	18	20 ins.
Width of Tyre	2⅛	2⅛	2⅛	2⅛	2⅛ in.
Price	**3/3**	**3/6**	**4/9**	**6/-**	**7/-** each.

SOLID TRUCK WHEEL.



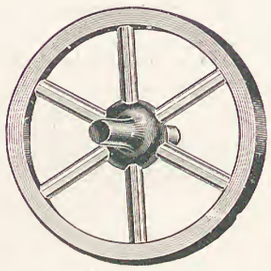
No. 4420.

Grooved for India-rubber Tyres.

Sizes	3½	4	5	6	7	8 ins.
Groove	½	½	¾	⅝	¾	⅞ in.
Price	**1/3**	**1/4**	**2/-**	**2/6**	**3/-**	**3/3** each.
I.R Tyred	**1/9**	**2/-**	**3/9**	**4/3**	**4/9**	**6/6** extra.

NAVVY BARROW WHEEL.

With Cast-on Spindle.



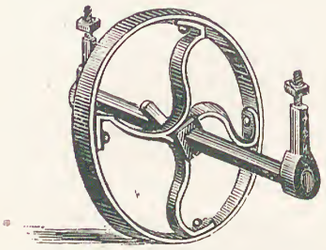
No. 4421.

Sizes	16	17	18 ins.
Price	**3/3**	**3/6**	**4/-** each.

In one dozen lots and over.

Sizes	16	17	18 ins.
Price	**2/6**	**2/9**	**3/-** each.

WROT IRON WHEEL.



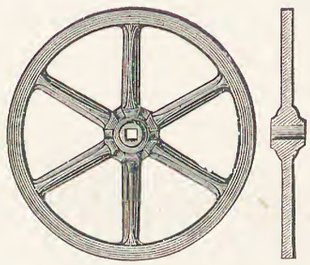
No. 4422.

Made any size to order.

Price 5½d. per lb.

NAVVY BARROW WHEEL,

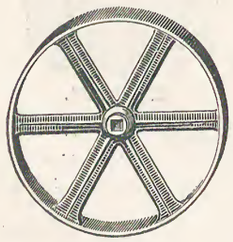
For Wrot. Spindle.



No. 4423.

Sizes	16	17	18 ins.
Price	**4/-**	**4/-**	**4/6** each.

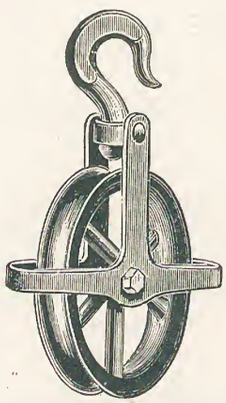
GARDEN BARROW WHEEL.



No. 4424.

Sizes	12	14	16	18	20 ins.
Price	**2/6**	**3/-**	**3/9**	**4/9**	**7/-** each.

RUBBISH WHEEL.

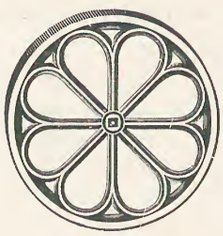


No. 4425.

Fitted ready for use as drawn.

Sizes	4	4½	6	8	10	12	14	16 ins.
Width of Groove	⅝	¾	1	1	1	1	1¼	1½ in
Price	**4/3**	**4/9**	**5/6**	**6/6**	**7/9**	**10/-**	**10/9**	**14/6** each.

CROWDING BARROW WHEEL.

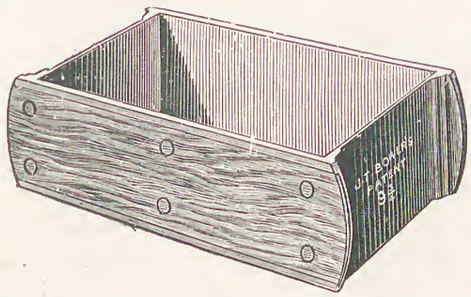


No. 4426.

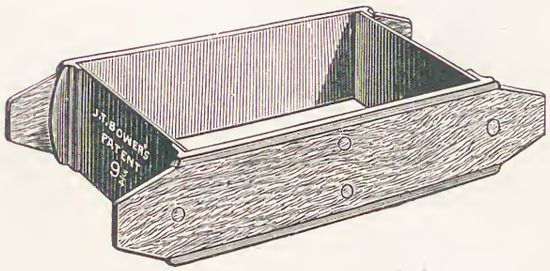
Sizes	17	20¾ ins.
Prices	**4/9**	**6/-** each.

PATENT SOLID CORNER BRICK MOULDS,

AND ADJUSTABLE BED PLATES.



No. 4427. Mould for Sand Stocks and Red Bricks.



No. 4428. Mould for Fire Bricks, Blue Bricks, &c.

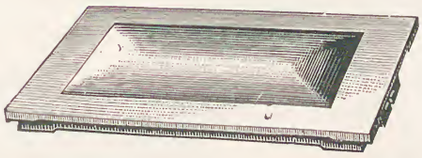
The object of this Invention is to increase the strength of the Moulds, the weight at the same time being diminished, whereby they are not liable to get out of shape in use, and do not wear out so quickly as the Moulds otherwise constructed. Brick Moulds constructed according to this Invention will bear longer and harder wear and give better satisfaction to Masters (and Moulders) than any other Brick Moulds in use.

STANDARD SIZES OF MOULDS KEPT IN STOCK.

Length	9½	9⅝	9¾	9¾	9⅞	9⅞	10	10⅛ ins.
Width	4¾	4 1/16	4¾	4⅞	4⅞	4 1/16	5	5 1/16 ,,
Depth	3¼	3¼ full	3 5/16	3 5/16	3 5/16	3 5/16 full	3⅜	3⅜ ,,
Price	**15/-**	**15/-**	**15/-**	**15/-**	**15/-**	**15/-**	**16/-**	**16/-** each.

Length	9⅝	9¾	9⅞ ins.
Width	4 1/16	4⅞	4 1/16 ,,
Depth	2 1/16	2¾	2¾ ,,
Price—16/-		**16/-**	**16/-** each.

IMPROVED PLAIN IRON STOCK.

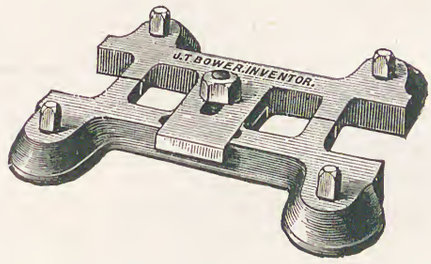


No. 4429. Improved Plain Iron Stock, supplied with any shape Kick, with Bolts for fixing to Bed-plate.

Price—4/9 each.

Extra Bolts, **1/9** per dozen.

ADJUSTABLE BED PLATE.

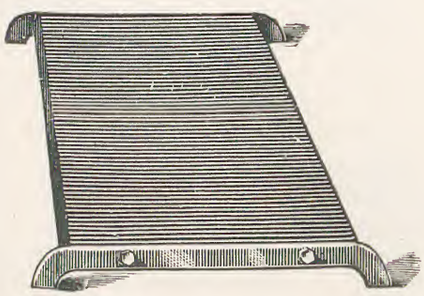


No. 4430. It has this great advantage. It can be adjusted to suit Moulds and Stocks of various sizes. They save time in fixing, and can be adjusted to suit the Mould and Stock with greater accuracy than any other Bed-plate in use. They also avoid the inconvenience of having to order Bed-plates to suit Moulds of various sizes.

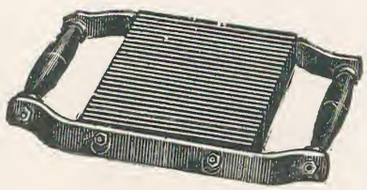
Price—13/6 each. Extra Spanners, **1/8** each.
Extra Screw Pegs, **2/6** per set. Set Screws, **6**d. each.

RUBBER BRICK CUTTERS.

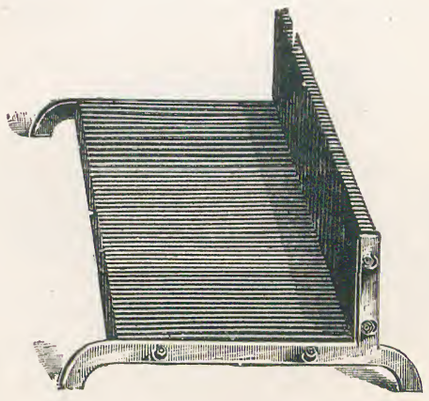
MOUNTAIN'S PATENT.



SINGLE CUTTER.



HAND CUTTER.



Size, 16×16 ins.
DOUBLE CUTTER.

These Appliances, as shown above, have been extensively used, tested, and proved to be a very profitable System of Cutting or abrading the surface of Rubber Bricks into square or any desired shape or size.

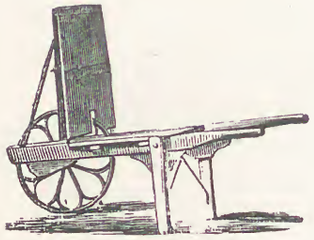
No. 4431.
Single Cutter,
Price—35/6 each.

No. 4433.
Hand Cutter,
Price—14/3 each.

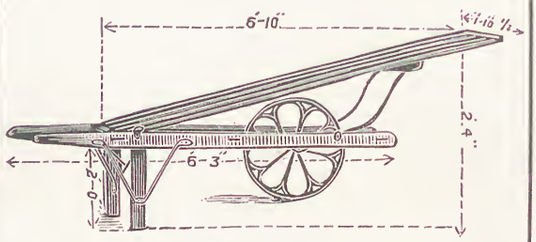
No. 4432.
Double Cutter,
Price—42/9 each.

No. 4434. WHEELING PLATES. Sizes, 5×¼ and 6×¼ ins. at **13/3** per cwt.

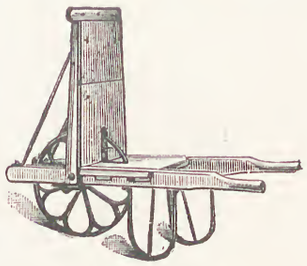
BARROWS (VARIOUS).



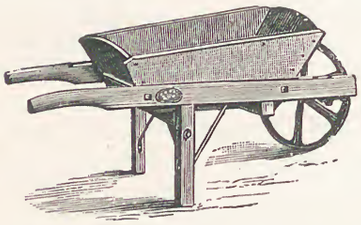
No. 4435.
Crowding Barrow with Wooden Legs.
Price .. 30/- each.



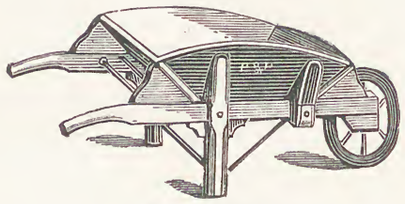
No. 4436.
Off Bearing Barrow.
Price .. 31/6 each.



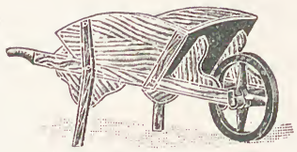
No. 4437.
Crowding Barrow with Iron Legs.
Price .. 34/- each.



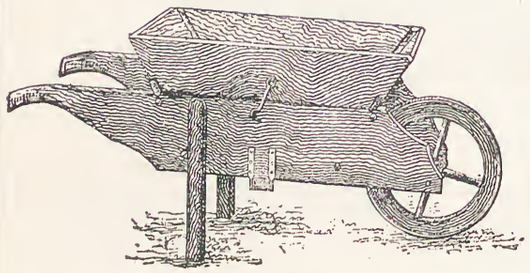
No. 4438. Mortar Barrow.
Made specially for passing through Doorways.
Price .. 35/6 each.



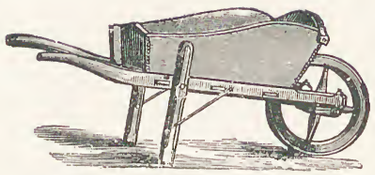
No. 4439.
Navvy Barrow; Ordinary size.
Price .. 16/6 each.
Special price quoted for quantities.



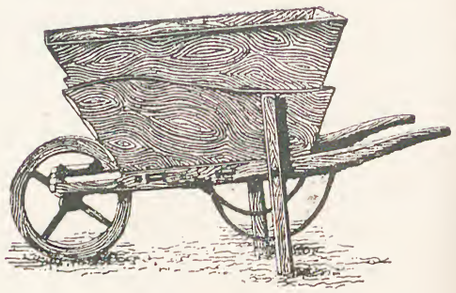
No. 4440.
General Purpose Barrow.
Price .. 26/3 each.
If painted **3/6** extra.



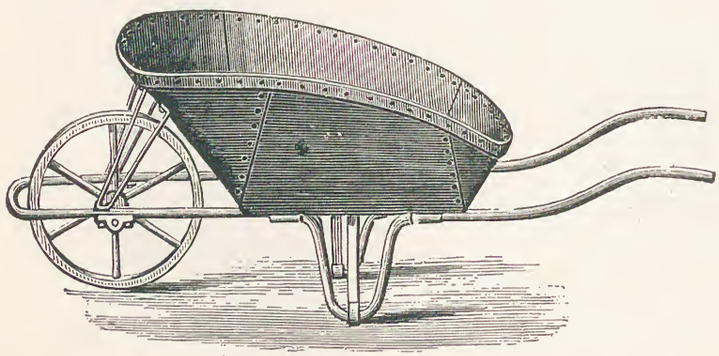
No. 4441.
Garden Barrow with moveable top.
Price .. 36/6 each.
If painted **3/6** extra.



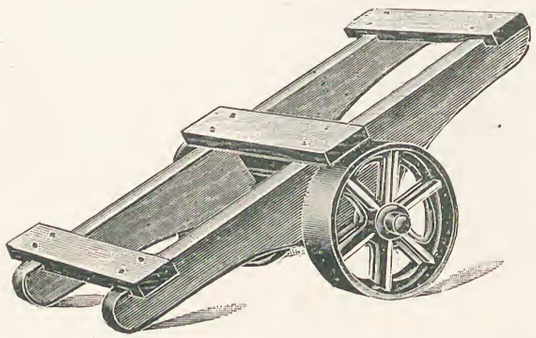
No. 4442.
Superior Garden and Stable Barrow.
Painted.
Price .. 41/9 each.



No. 4443.
Stable Barrow with moveable top.
Price .. 47/6 each.
If painted **4/6** extra.

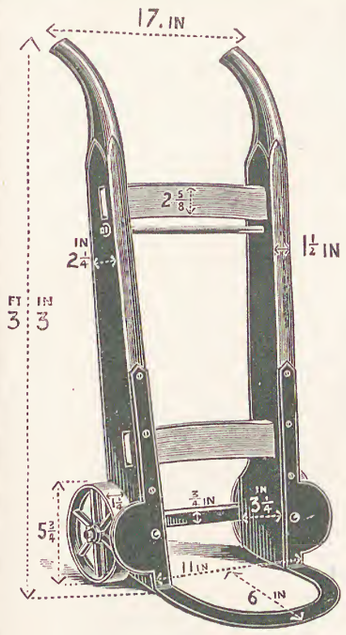


No. 4444. Coal, Coke or Ash Barrow.
"Tubular Steel."
Steel Body, 12 and 14 W.G. Top, 39 ins. long, 32 ins. wide.
Front, 20 ins. deep. Back, 10 ins. deep.
Bottom, 18 ins. long, 18½ ins. & 14 ins. wide. Steel Wheel, 16 ins. diam.
Extreme Height, 26 ins. Weight, 112 lb.
Price .. £2 11 0 each.



No. 4445. Timber Truck.

Length.	Width.	Height.	Diam. of Wheels.	Axles.	Price each.
48 ins.	30 ins.	24 ins.	18×6 ins.	1¾ in.	£5 4 3
36 ins.	24 ins.	18 ins.	14×3 ins.	1½ in.	£4 0 0
30 ins.	20 ins.	16 ins.	12×2 ins.	1¼ in.	£2 14 9



No. 4446.

"SAMSON" TRUCK,

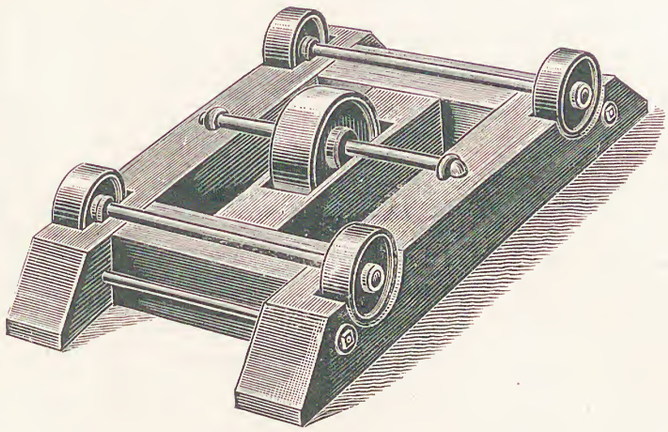
With two Curved Rails, 6 in. Wheels, 3 ft. 3 ins. high, Frame 1½ in. thick, 17 in. at Handles, Shoe stands out 6 in.

Not Varnished, **18**/- each.

No. 4447. If with 8 in. Solid Wheels, **20**/- each.

India-rubber Tyred, 6 8 ins.
Each extra **8/9** **11/3**

THE ATLAS BOGIE.



A small Bogie, but very powerful; will carry 20 to 25 cwt., mounted on five wheels, the centre one being larger than the others, thus enabling the load to be turned in any direction required with little trouble.

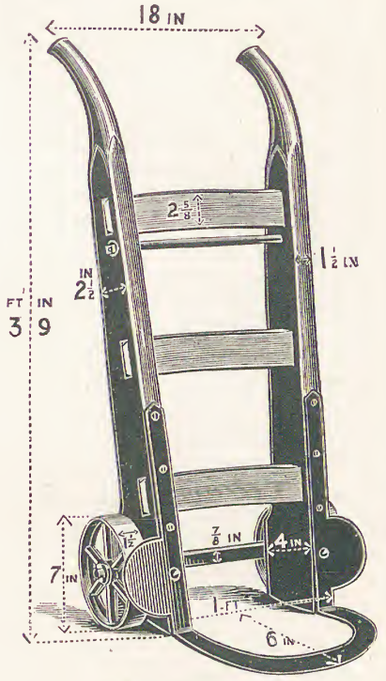
Height 5 in. from ground.
Size of Timber, 3¼×3 ins.; Centre Rail, 4¼×3 ins.

No. 4448.

Sizes	18×12	22×16	30×24 ins.
	21/6	**24**/-	**46/9** each.

Above can be fitted with Vulcanized India-rubber Tyres, which will be found a great advantage, **24**/- extra.

Larger sizes made to order.



No. 4449.

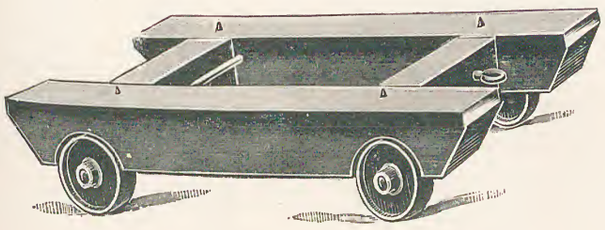
"SAMSON" TRUCK,

With 3 Curved Rails, 3 ft. 9 ins. high, Frame 1½ in. thick, 18 ins. wide at Handles. Shoe stands out 6 ins.
Not Varnished **23/3** each.

No. 4450. If with 8 in. Solid Wheels. **24/9** each.
India-rubber Tyred, 7 8 ins.
10/- **11/3** extra.
Wooden or Iron Feet, **2/9** extra.

STRONG BOX BOGIE.

No. 4451.



Fitted with Ring for Hook.

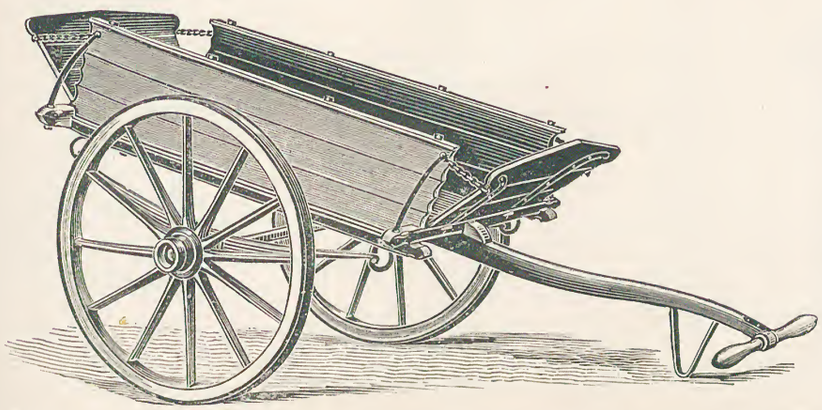
A very powerful Truck, mounted on four wheels, with ring at each end for rope or hook, size of wheels 4 in.×1¾ in. on face; size of timber, 3½ in.×3 in.; centre rails, 4 in.×3 in.

Sizes	18×12	22×16	30×24	36×27	42×33 ins.
	16/9	**22**/-	**36/9**	**43/3**	**53/6** each.

Above fitted with Vulcanized Rubber-tyred Wheels, **23/3** extra.

STRONG HAND CART.

No. 4452.



Suitable for Builders, Ironmongers, &c., with Loose Back and Front Boards.

Body 4 ft.×2 ft. 6 in. Wheels, 2 ft. 9 in. Tyred with 1¼×½in. With Springs and Scroll Irons, Painted, Lined and Varnished.

No. 4452. Pole Handle as drawn .. **£7 7**s. **6**d. each.

No. 4453. Short Shaft Handles instead of Centre Pole Handle, and with Legs .. .. **£7 7**s. **6**d. each.

LADDERS, STEPS, TRESTLES, &c.



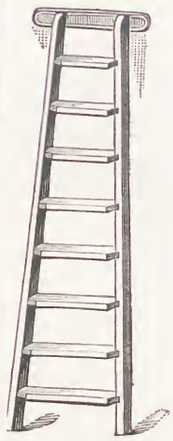
No. 4454.—LADDER.

Made from the best Christiana Spars and warranted not to twist.

	Per round.
12 to 18 round	9d.
20 to 30 ,, ...	9½d.
32 to 45 ,, ...	10d.
46 to 48 ,, ...	1/-
50 to 58 ,, ...	1/1
60 to 64 ,, ...	1/2
66 to 68 ,, ...	1/3
70 to 74 ,, ...	1/4

No. 4455.—Fruit Gatherers' Ladders at **3½**d. per Round extra on above.

No. 4456.—STEP LADDER.



Best, with Cross Rail.

5	6	7	8 tread.
4/3	**5/-**	**5/9**	**6/9** each.
9	10	11	12 tread.
7/6	**8/6**	**9/9**	**10/9** each.

(including Bolting).

Staining and Varnishing, or Painting, **6**d. per tread.

No. 4457.—STEP.



With Swing Back.

3	4	5	6	7 tread.
3/6	**4/3**	**5/3**	**6/3**	**7/3** each.
8	9	10	11	12 tread.
8/6	**10/-**	**11/3**	**14/6**	**17/9** each.



No. 4458.

Improved Steps, with Plate across back and front to prevent splitting, and Bolt running through top, thereby dispensing with both Hinges and Cord. Same as supplied by us to the Railways.

2/3 per step.



No. 4459.

Steps, with Fixed Back. Suitable for use in Warehouses and Shops. They are light, strong, and well made.

3	4	5	6 tread.
6/9	**8/6**	**10/3**	**12/-** each.



No. 4460.

Very useful Steps, having Steps on each side, and are specially adapted for Shop Window Cleaning. Made of best Yellow Deal, with Wrought Iron Joints.

3	4	5	6 tread.
8/9	**10/6**	**13/9**	**16/6** each.

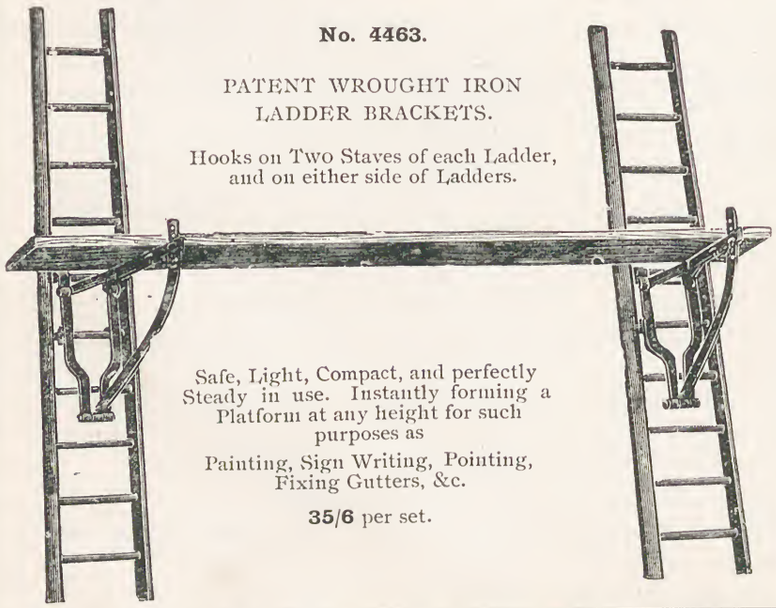


No. 4461.

PAINTERS' AND BUILDERS' TRESTLES.

	Light for One Board at Top.	Stout for Two Boards at Top.
6 ft. high ..	**20/-** ..	**23/-** ea.
8 ft. ,, ..	**24/9** ..	**28/-** ,,
9 ft. ,, ..	**28/-** ..	**32/-** ,,
10 ft. ,, ..	**33/9** ..	**35/6** ,,
12 ft. ,, ..	**37/3** ..	**42/6** ,,
14 ft. ,, ..	**48/-** ..	**53/-** ,,
16 ft. ,, ..	**56/9** ..	**61/6** ,,
18 ft. ,, ..	**71/-** ..	**76/9** ,,

THE PLUMBER'S AND PAINTER'S REQUISITE.



No. 4463.

PATENT WROUGHT IRON LADDER BRACKETS.

Hooks on Two Staves of each Ladder, and on either side of Ladders.

Safe, Light, Compact, and perfectly Steady in use. Instantly forming a Platform at any height for such purposes as

Painting, Sign Writing, Pointing, Fixing Gutters, &c.

35/6 per set.

DAVISON'S PATENT LADDER BRACKETS.

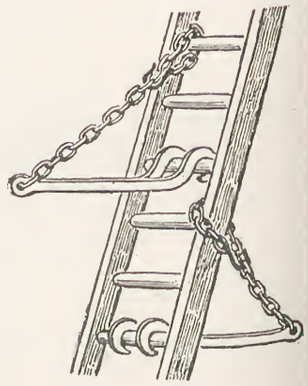
No. 4464.

For making Temporary Scaffolding.

Safe, Strong, and Easy to Fix.

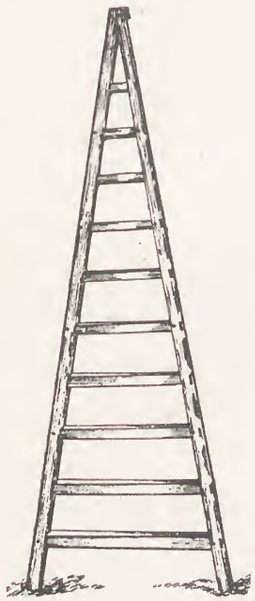
No Hinges.

Price 21/- per pair.



IMPROVED EXTENSION LADDERS.

INVALUABLE TO BUILDERS, DECORATORS, AND FOR HOUSE OR WINDOW CLEANING, &c.



No. 4465.

Taper Ladders for window cleaning in London and Provinces, Fruit Farms, Gardeners, &c. Padded block at top, grooved to grip Sash Bars etc.

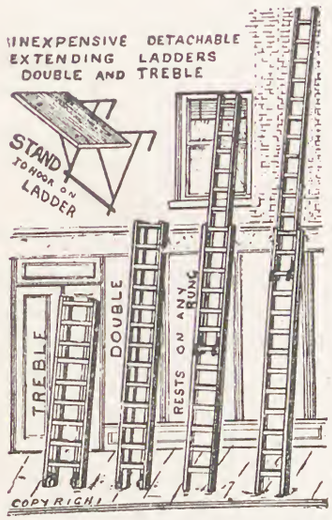
Prices in Fir,

7	8	9	10	11	12 ft.
12/-	**13/9**	**15/-**	**18/9**	**20/9**	**22/9** each.

14	16	18	20 ft.
24/9	**27/-**	**32/-**	**33/9** each.

Painting one fifth extra.

Hardwood Rungs 15 per cent extra.



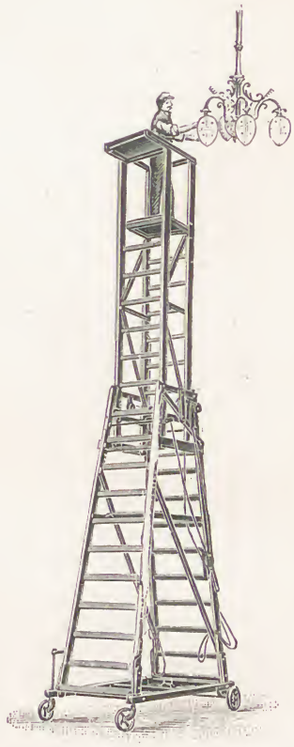
Painting extra.

PATENT STAND,

7/3 each.

PARALLEL EXTENDING LADDERS.

No. 4466. DOUBLE extends to ft.	ins.	DOUBLE closes to ft.	ins.	Price each.	No. 4467. TREBLE closes to ft.	ins.	Price each.
8	6	5	0	**15/-**	—		—
10	6	6	0	**18/-**	—		—
12	0	7	0	**22/6**	5	0	**29/3**
14	0	8	0	**28/6**	5	6	**34/6**
17	0	9	9	**34/6**	6	9	**42/-**
19	0	10	6	**40/6**	7	6	**49/6**
22	0	12	0	**45/-**	8	6	**54/-**
24	0	13	6	**51/-**	9	6	**63/-**
27	0	15	0	**61/6**	10	6	**75/-**
31	0	17	3	**73/6**	12	0	**90/-**
36	0	20	0	**93/-**	14	0	**103/6**



No. 4468.

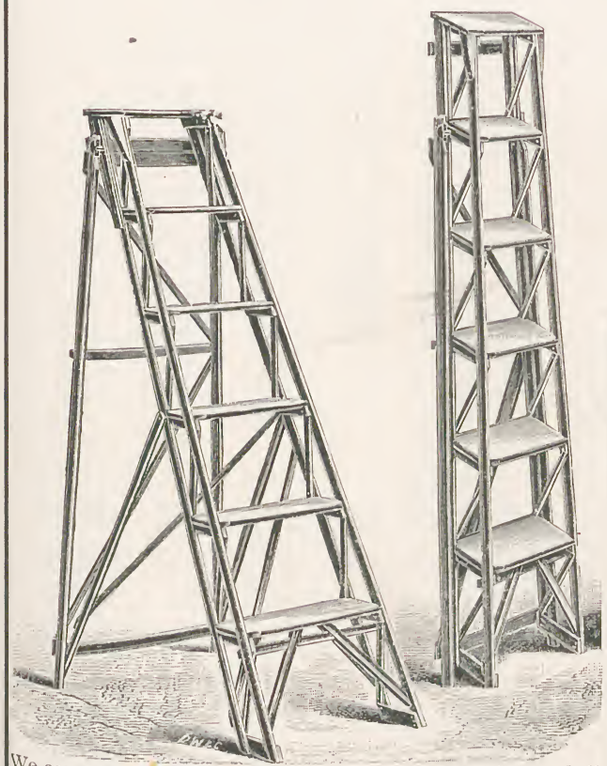
EXTENDING STEP LADDER PLATFORM.

Designs and Prices submitted on receipt of particulars as to sizes, purpose required, or any specified make or shape.

THE HATHERLEY LATTISTEPS. (Jones's Patent.)

As supplied to the Royal Library, Windsor Castle. Admitted by the Trade to be The Best in the Market.

Unequalled for Lightness, Compactness, Rigidity and Strength. No Hinges or Webbing to break or wear out. These Steps stand upright in all positions whether closed or open.



We cannot undertake staining, varnishing, or polishing, and all goods will be supplied in the plain woods only.

No. 4469.

PRICE LIST.

Height ft.	ins.	No. of treads	Deal	Birch	Teak	Weight in Deal lbs.	
2	3	3	**6/3**	**7/-**	**13/3**	6	$8\frac{1}{2}$ ins. between treads.
3	0	4	**7/6**	**9/6**	**16/-**	8	
4	6	6	**10/-**	**12/6**	**21/9**	12	
6	0	8	**13/-**	**15/6**	**27/-**	16	
3	8	4	**7/6**	**9/9**	**16/6**	9	$10\frac{1}{2}$ ins. between treads.
4	7	5	**9/3**	**11/-**	**19/6**	11	
5	6	6	**10/3**	**12/9**	**22/6**	13	
6	7	7	**12/-**	**14/3**	**26/-**	15	
7	6	8	**13/9**	**16/9**	**30/-**	18	
8	5	9	**16/3**	**20/-**	**35/6**	21	
9	4	10	**19/3**	**24/-**	**40/9**	24	



SHOP, OFFICE AND LIBRARY LADDERS.

No. 4470.

Marvellously Light, Rigid and Strong.

Splendidly Finished in Plain Woods Only.

Highest Quality Guaranteed.

Sizes. 4 to 14 Treads, Rise of Tread, 10 ins. Depth of Ladder, 4 ins.

Deal	Birch	Teak
1/3	**1/6**	**2/6** per Tread.

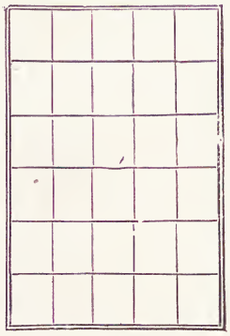
The **BIRCH** Steps are exceedingly **STRONG** and will withstand far more **ROUGH** usage than either the Teak or the Deal.

IMPORTANT—To save confusion and possible delay in executing orders, Customers are particularly requested to quote the heights and not the number of treads in the above list, otherwise we cannot be responsible if wrong sizes are sent.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

CAST IRON WINDOW SASHES.

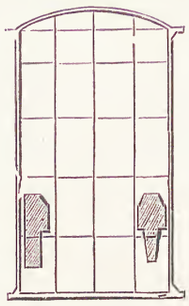
SQUARE HEAD.



No. 4471.

Width.	Height.	Price each.
3 ft. 0 in.	× 4 ft. 0 in. ..	12/6
3 ,, 0 ,,	× 5 ,, 0 ,, ..	17/-
3 ,, 0 ,,	× 6 ,, 0 ,, ..	19/6
3 ,, 6 ,,	× 4 ,, 0 ,, ..	14/3
3 ,, 6 ,,	× 5 ,, 0 ,, ..	17/9
3 ,, 6 ,,	× 6 ,, 0 ,, ..	22/3
4 ,, 0 ,,	× 4 ,, 0 ,, ..	17/9
4 ,, 0 ,,	× 5 ,, 0 ,, ..	21/3
4 ,, 0 ,,	× 6 ,, 0 ,. ..	24/9
4 ,, 0 ,,	× 8 ,, 0 ,. ..	35/6
4 ,, 6 ,,	× 4 ,, 0 ,, ..	24/-
4 ,, 6 ,,	× 5 ,, 0 ,, ..	25/9
4 ,, 6 ,,	× 6 ,, 0 ,, ..	30/3
4 ,, 6 ,,	× 7 ,, 0 ,, ..	37/6
4 ,, 6 ,,	× 8 ,, 0 ,, ..	44/6

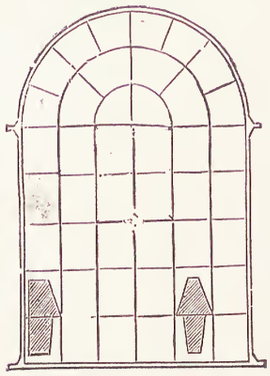
SEGMENT HEAD.



No. 4472.

Width.	Height.	Price each.
2 ft. 0 in.	× 2 ft. 6 in. ..	6/3
2 ,, 0 ,,	× 3 ,, 0 ,, ..	6/8
2 ,, 0 ,,	× 4 ,, 0 ,, ..	8/9
2 ,, 6 ,,	× 3 ,, 0 ,, ..	8/-
2 ,, 6 ,,	× 4 ,, 0 ,, ..	9/9
3 ,, 0 ,,	× 3 ,, 6 ,, ..	10/3
3 ,, 0 ,,	× 4 ,, 0 ,, ..	12/-
3 ,, 0 ,,	× 4 ,, 6 ,, ..	13/9
3 ,, 0 ,,	× 5 ,, 0 ,, ..	15/6
3 ,, 6 ,,	× 4 ,, 0 ,, ..	14/3
3 ,, 6 ,,	× 5 ,, 0 ,, ..	17/3
3 ,, 6 ,,	× 5 ,, 6 ,, ..	19/3
4 ,, 0 ,,	× 5 ,, 0 ,, .	21/-
4 ,, 0 ,,	× 6 ,, 0 ,, ..	24/6
4 ,, 0 ,,	× 7 ,, 0 ,, ..	29/9
4 ,, 0 ,,	× 8 ,, 0 ,, ..	34/9

SEMI-CIRCULAR HEAD.

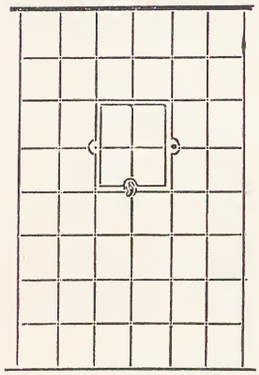


No. 4473.

Width.	Height.	Price each
3 ft. 0 in.	× 4 ft. 6 in. ..	16/9
3 ,, 0 ,,	× 5 ,, 6 ,, ..	18/9
3 ,, 0 ,,	× 6 ,, 0 ,, ..	21/3
3 ,, 6 ,,	× 5 ,, 10 ,, ..	26/9
3 ,, 6 ,,	× 6 ,, 6 ,, ..	30/3
4 ,, 0 ,,	× 5 ,, 0 ,, ..	25/9
4 ,, 0 ,,	× 6 ,, 0 ,, ..	27/6
4 ,, 0 ,,	× 7 ,, 0 ,, ..	35/6
4 ,, 0 ,,	× 8 ,, 0 ,, ..	40/-

WITH OPENING CASEMENTS.

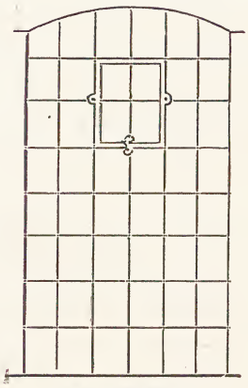
SQUARE HEAD.



No 4474.

Width.	Height.	Price each.
3 ft. 0 in.	× 4 ft. 0 in. ..	12/6
3 ,, 0 ,,	× 5 ,, 0 ,, ..	17/-
3 ,, 0 ,,	× 6 ,, 0 ,, ..	19/6
3 ,, 6 ,,	× 4 ,, 0 ,, ..	14/3
3 ,, 6 ,,	× 5 ,, 0 ,, ..	17/9
3 ,, 6 ,,	× 6 ,, 0 ,, ..	22/3
4 ,, 0 ,,	× 4 ,, 0 ,, ..	17/9
4 ,, 0 ,,	× 5 ,, 0 ,, ..	21/3
4 ,, 0 ,,	× 6 ,, 0 ,, ..	24/9
4 ,, 0 ,,	× 8 ,, 0 ,, ..	35/6
4 ,, 6 ,,	× 4 ,, 0 ,, ..	24/-
4 ,, 6 ,,	× 5 ,, 0 ,, ..	25/9
4 ,, 6 ,,	× 6 ,, 0 ,, ..	30/3
4 ,, 6 ,,	× 7 ,, 0 ,, ..	37/6
4 ,, 6 ,,	× 8 ,, 0 ,, ..	44/6

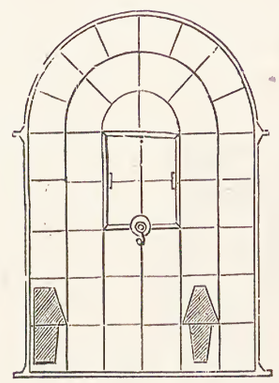
SEGMENT HEAD.



No. 4475.

Width.	Height.	Price each.
2 ft. 0 in.	× 2 ft. 6 in...	6/3
2 ,, 0 ,,	× 3 ,, 0 ,, ..	6/8
2 ,, 0 ,,	× 4 ,, 0 ,, ..	8/9
2 ,, 6 ,,	× 3 ,, 0 ,, ..	8/-
2 ,, 6 ,,	× 4 ,, 0 ,, ..	9/9
3 ,, 0 ,,	× 3 ,, 6 ,, ..	10/3
3 ,, 0 ,,	× 4 ,, 0 ,, ..	12/-
3 ,, 0 ,,	× 4 ,, 6 ,, ..	13/9
3 ,, 0 ,,	× 5 ,, 0 ,, ..	15/6
3 ,, 6 ,,	× 4 ,, 0 ,, ..	14/3
3 ,, 6 ,,	× 5 ,, 0 ,, ..	17/3
3 ,, 6 ,,	× 5 ,, 6 ,, ..	19/3
4 ,, 0 ,,	× 5 ,, 0 ,, ..	21/-
4 ,, 0 ,,	× 6 ,, 0 ,, ..	24/6
4 ,, 0 ,,	× 7 ,, 0 ,, ..	29/9
4 ,, 0 ,,	× 8 ,, 0 ,, ..	34/9

SEMI-CIRCULAR HEAD.



No. 4476.

Width.	Height.	Price each.
3 ft. 0 in.	× 4 ft. 6 in. ..	16/9
3 ,, 0 ,,	× 5 ,, 6 ,, ..	18/9
3 ,, 0 ,,	× 6 ,, 0 ,, ..	21/3
3 ,, 6 ,,	× 5 ,, 10 ,, ..	26/9
3 ,, 6 ,,	× 6 ,, 6 ,, ..	30/3
4 ,, 0 ,,	× 5 ,, 0 ,, ..	25/9
4 ,, 0 ,,	× 6 ,, 0 ,, ..	27/6
4 ,, 0 ,,	× 7 ,, 0 ,, ..	35/6
4 ,, 0 ,,	× 8 ,, 0 ,, ..	40/-

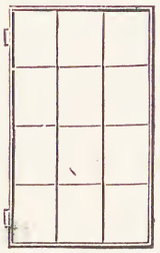
CAST IRON CASEMENTS, ETC.

COTTAGE CASEMENTS.

WITH OR WITHOUT HINGES.

No. 4477.

Sizes, Extreme. Width. Ft. Ins.		Height. Ft. Ins.	Size of Pane. Width. Ins.		Height. Ins.	**Price**, each. Without Hinges.
1 3	×	1 2¼	4⅝	×	6⅝	**2/-**
1 3	×	2 4	4⅝	×	6¾	**3/3**
1 2	×	2 2	4¼	×	8⅜	**3/3**
1 3⅞	×	2 10	4⅞	×	8⅛	**4/-**
1 3⅞	×	3 2⅞	4⅞	×	7½	**5/-**
1 3⅞	×	3 5⅞	4⅞	×	8⅛	**5/3**
1 4¾	×	2 8	5⅜	×	7¾	**3/9**
1 4⅞	×	1 4¼	5⅜	×	7¾	**3/3**
1 4⅞	×	2 1½	8	×	8⅛	**3/9**
1 7	×	1 6¼	6	×	8¾	**4/-**
1 7	×	2 11¾	6	×	8¾	**4/6**
1 7⅛	×	2 3	8⅛	×	8¾	**4/-**
1 11¾	×	2 11⅝	7½	×	8⅝	**5/6**
2 1⅜	×	3 5¾	8⅛	×	10	**6/3**
2 7¾	×	4 1¾	9⅛	×	12⅛	**9/-**



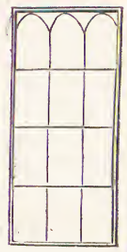
Fitted with Wrot Hinges and Cockspur Fastenings, **3/6** each extra.

GOTHIC TOP COTTAGE CASEMENTS.

WITH OR WITHOUT HINGES.

No. 4478.

Sizes Extreme. Width. Ft. Ins.		Height. Ft. Ins.	Size of Pane. Width. Ins.		Height. Ins.	**Price** each. Without Hinges.
1 1⅜	×	1 4	4⅛	×	8½	**4/3**
1 3	×	2 4	4⅝	×	6⅝	**4/6**
1 5	×	2 8	5⅜	×	7⅝	**5/-**
1 5	×	3 0	8⅛	×	11⅝	**7/6**
1 7	×	2 11¾	6	×	8⅝	**6/-**
1 7¼	×	3 6½	6⅛	×	9⅞	**9,3**



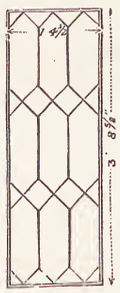
Fitted with Wrot Hinges and Cockspur Fastenings **3/6** each extra.

GOTHIC WINDOWS.

SQUARE TOP.

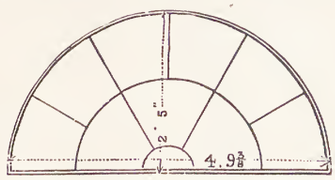
No. 4479.

Sizes, Extreme. Width. Ft. Ins.		Height. Ft. Ins.	**Price**, each.
1 4½	×	3 3 ..	**11/3**
1 5½	×	3 8⅝ ..	**12/3**
1 4½	×	4 0⅜ ..	**13/9**
1 5	×	5 0 ..	**18/-**
1 8⅞	×	3 7⅞ ..	**14/9**
2 3	×	6 7½ ..	**24/3**



FANLIGHTS.

No. 4480. SEMI-CIRCULAR TOP.



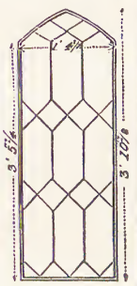
Sizes, Extreme. Width. Ft. ins.		Height. Ft. Ins.	**Price**, each.
3 0	×	1 6¼	**9/9**
3 9	×	1 11	**10/-**
4 9⅜	×	2 5	**15/9**
4 11¼	×	3 9½	**23/9**
6 0	×	3 0¼	**28/3**
6 11	×	3 5⅝	**47/9**

GOTHIC WINDOWS.

POINTED TOP.

No. 4481.

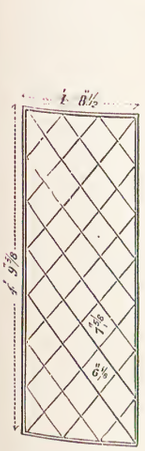
Sizes, Extreme. Width. Ft. Ins.		Height. Ft. Ins.	**Price**, each.
1 4½	×	3 8 ..	**11/3**
1 4½	×	3 10⅛ ..	**12/3**
1 4½	×	4 2 ..	**13/3**
1 4½	×	5 1 ..	**17/3**



No 4482

QUARRY LIGHTS.

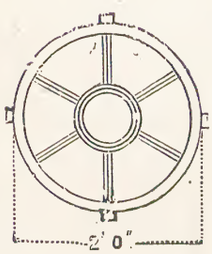
Sizes, Extreme. Width. Ft. Ins.		Height. Ft. Ins.	Size of Pane. Width. Ins.		Height. Ins.	**Price** Each.
6½	×	1 6½	5⅝	×	8½	**2/3**
7⅛	×	3 2	6¾	×	11⅝	**7/-**
7⅞	×	4 2⅛	6⅞	×	11⅜	**9/-**
10⅛	×	1 2⅜	4⅝	×	7⅜	**2/3**
10¾	×	2 6⅞	4½	×	6⅝	**5/9**
11	×	2 10⅜	5	×	8	**4/-**
11⅜	×	2 10⅜	4⅞	×	8⅞	**6/3**
1 0	×	1 5⅞	4½	×	7¼	**3/-**
1 0	×	1 7	5⅛	×	8⅝	**3/9**
1 0	×	1 7⅞	4⅝	×	7¼	**3/6**
1 0	×	2 3⅞	4⅝	×	7⅜	**4/6**
1 0	×	3 4⅛	4⅝	×	7¼	**4/3**
1 3	×	1 4¾	6⅞	×	7⅝	**3/3**
1 3	×	2 5⅞	4½	×	6⅞	**6/-**
1 3	×	2 6	4⅝	×	5½	**5/3**
1 3	×	3 2	6¾	×	11½	**10/9**
1 3	×	3 5¾	4½	×	7¼	**7/3**
1 3	×	4 2	6¾	×	11¾	**13/3**
1 5	×	2 1⅝	5¼	×	7⅞	**5/3**
1 5	×	2 9⅞	5¼	×	7¼	**7/3**
1 5	×	3 0⅞	5⅛	×	7⅜	**8/-**
1 5	×	3 1	5¼	×	7¼	**7/9**
1 5	×	3 2	5	×	6⅞	**7/9**
1 5	×	3 4⅛	5⅜	×	8⅛	**9/3**
1 5	×	3 5	3⅜	×	6⅞	**12/-**
1 5	×	3 8½	5	×	7⅜	**12/-**
1 5	×	3 9	5⅛	×	7	**9/-**
1 7	×	1 10	5⅛	×	8¼	**5/-**
1 7	×	1 11	5¾	×	8¾	**5/6**
1 7	×	2 4⅛	5¼	×	7⅜	**6/3**
1 7	×	2 4¼	5⅜	×	7⅜	**6/9**
1 7	×	2 5¼	5¼	×	7⅜	**6/9**
1 7½	×	2 10¼	5⅞	×	8⅞	**8/-**
1 7⅝	×	2 4⅛	6¼	×	8⅝	**6/3**
1 7¾	×	4 2½	6⅛	×	9½	**11/-**
1 8	×	1 10	6	×	8⅛	**5/-**
1 8	×	3 0⅝	6	×	8¼	**8/-**
1 8	×	3 4¼	6	×	8½	**8/9**
1 8⅛	×	1 11	6⅛	×	8⅝	**5/3**
1 8⅛	×	4 1	6¼	×	9⅞ .. .	**12/9**
1 8⅛	×	4 8⅜	6¼	×	7⅝	**14/3**



Fitted with Wrot Hinges and Cockspur Fastenings, **3/6** each extra.

ROUND BULL'S-EYE LIGHTS

No. 4483.



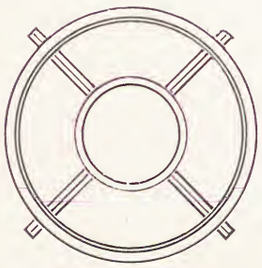
MADE TO OPEN.

		Sizes, 18	24	30	36	48 ins. diam.
No. 4483.	Fixed ..	**4/-**	**5/9**	**8/-**	**9/9**	**17/9** each.
No. 4484.	To Open ..	**9/9**	**12/6**	**15/-**	**16,9**	**28/3** ,,

Particulars of Special Sizes and Patterns sent on receipt of full details of requirements.

WROUGHT IRON SASHES.

1¼ in. SECTION.

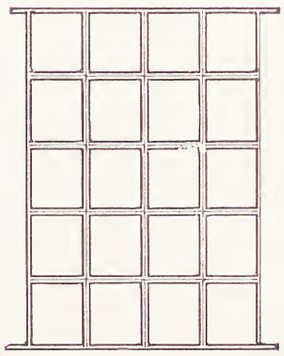


No. 4485. Circular.

Sizes, Diameter.	No. 4485, without Vent. Each.	No. 4486, with Vent. Each.
24 ins. and under ..	5/6	24/-
30 ,, ...	7/-	27/-
36 ,, ...	13/-	30/-
42 ,, ...	17/-	34/-
48 ,, ...	21/6	39/-

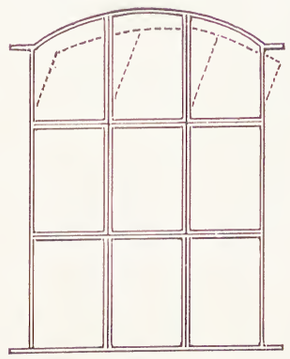
Drawing represents 42 and 48 in.

The smaller sizes have no Centre Ring.



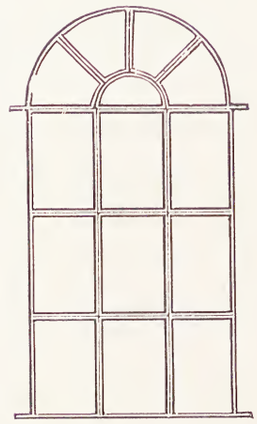
No. 4487. Square Head.

Sizes, Width. Height.	No. 4487, without Vent. Each.	No. 4488, with Vent. Each.
24×36 ins., 9 panes	13/6	25/6
30×42 ,, 9 ,,	15/3	30/-
36×48 ,, 16 ,,	22/6	34/6
36×54 ,, 16 ,,	25/3	37/3
42×60 ,, 16 ,,	28/3	40/-
48×72 ,, 20 ,,	33/-	49/-



No. 4490. Segment Head.

Sizes, Width. Height.	No. 4489, without Vent Each.	No. 4490, with Vent. Each.
24 × 36 ins. ..	15/-	27/-
30 × 42 ,, ..	16/6	28/6
36 × 48 ,, ..	24/-	36/-
36 × 54 ,, ..	26/6	38/6
42 × 60 ,, ..	29/6	41/6
48 × 72 ,, ..	34/-	50/-

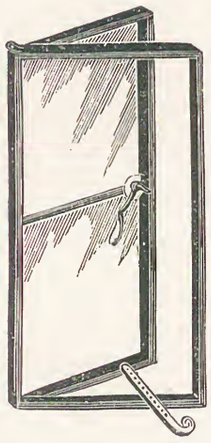


No. 4491. Semi-Circular Head.

Sizes, Width. Height.	No. 4491, without Vent. Each.	No. 4492, with Vent. Each.
24 × 36 ins. ..	16/-	28/-
30 × 42 ,, ..	18/-	30/-
36 × 48 ,, ..	25/3	37/3
36 × 54 ,, ..	28/-	40/-
42 × 60 ,, ..	31/-	43/-
48 × 72 ,, ..	35/6	51/6

ABOVE CAN BE SUPPLIED IN 1½ IN. SECTION AT 25 PER CENT. ON ABOVE PRICES.

SIDE HUNG CASEMENT.



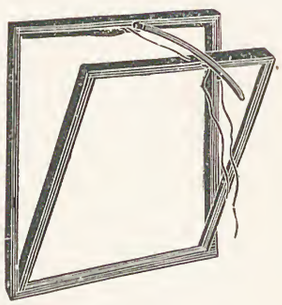
No. 4493.

Hung at side on Gun-metal Bearings, Malleable Iron Cockspur Fastening, and Stay Hook. With or without Cross-bar for Lead Lights or Sheet Glass.

Not exceeding 24 ins. wide, and

24	30	36	42	48	60 ins. high.
26/-	**28/-**	**30/-**	**32/-**	**34/-**	**38/-** each.

FALL IN CASEMENT.



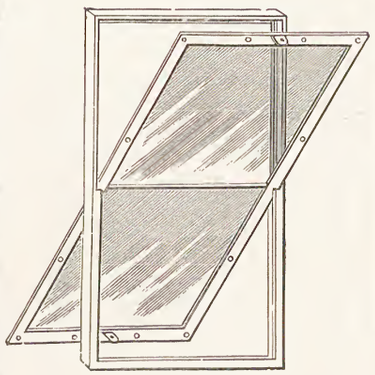
No. 4494.

Of Wrought Iron, hung at bottom on Gun-metal Bearings. The Iron Frame swings inwards. Fitted with Top Rack and Pulley for Cord.

Not exceeding 24 ins. wide and

24	30	36	42	48 ins. high.
20/-	**21/-**	**22/-**	**23/6**	**25/-** each.

PIVOT CENTRES CASEMENT.



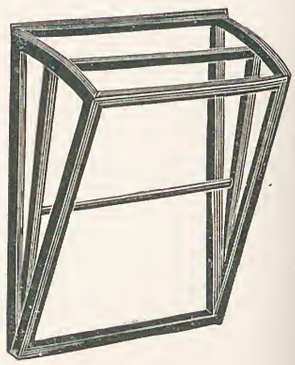
No. 4495.

Hung on Gun-metal Centres to Iron Frames and fitted with Eyes for Cords. Suitable for Transom Lights, Fanlights, Staircases, Larders, W.C.'s, &c.

Not exceeding 24 ins. wide and

	24	30	36	42	48	ins. high
As Drawn	**22/-**	**23/-**	**24/-**	**25/6**	**27/-**	ea.

HOPPER LIGHT.



No. 4496.

With hinged Fronts to open and close, with Cord Pulley. The sides also prepared for Glass, with or without one Crossbar.

Not exceeding 24 ins. wide and

24	30	36	42	48 ins. high.
28/-	**29/-**	**30/-**	**31/6**	**33/-** each.

THE "CILREST" REVERSIBLE CASEMENT.

OBVIATES ALL DIFFICULTY IN THE CLEANING OF CASEMENT WINDOWS without any of the accompanying disadvantages connected with every other casement designed for the purpose.

CAN BE SUPPLIED IN BRONZE, STEEL OR IRON.

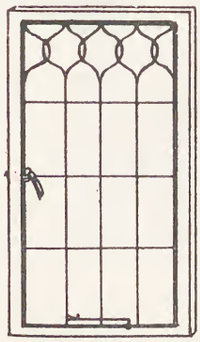
No. 4997.

The method of effecting this object is as follows:—

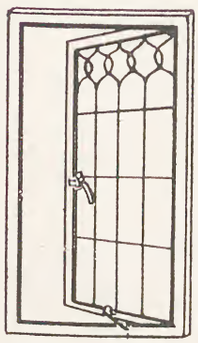
On the outer face and within the same sight line a third but skeleton frame is hung to the fixed frame, as sketch "A," and to this frame at the other side, the glazed frame is hung. At the inner edge of this frame a bolt is attached, which fastens the two opening frames together. When the casement is only required for ventilating purposes it opens as an ordinary side hung, opening out; when it is desired to clean the outer face it is released from the hanging side of the skeleton frame, and is drawn along the cill till the position taken is as sketch "B," so the outer face is then towards the room.

ESTIMATES SUBMITTED.

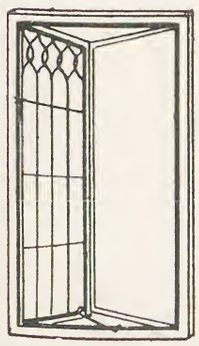
A



Casement Shut

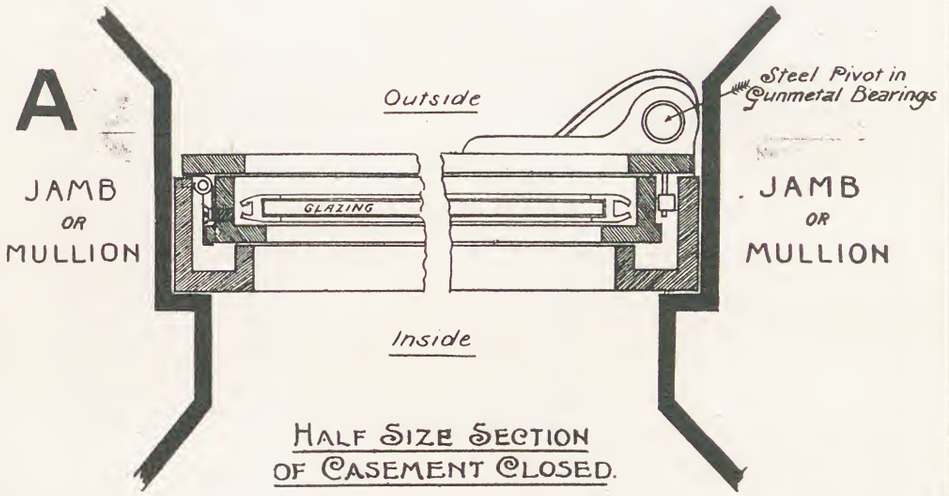


Casement Open Ordinarily

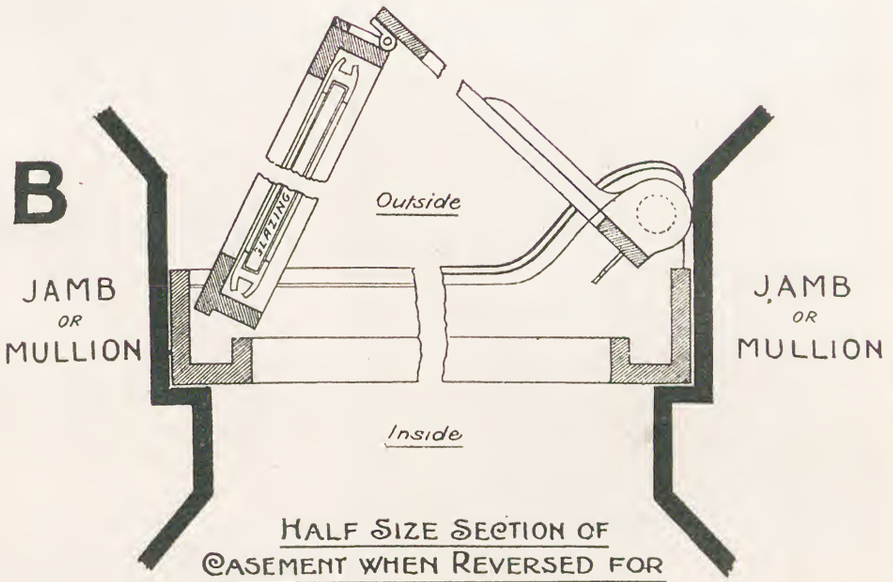


B

Casement Reversed for Cleaning and against the wind.



HALF SIZE SECTION OF CASEMENT CLOSED.

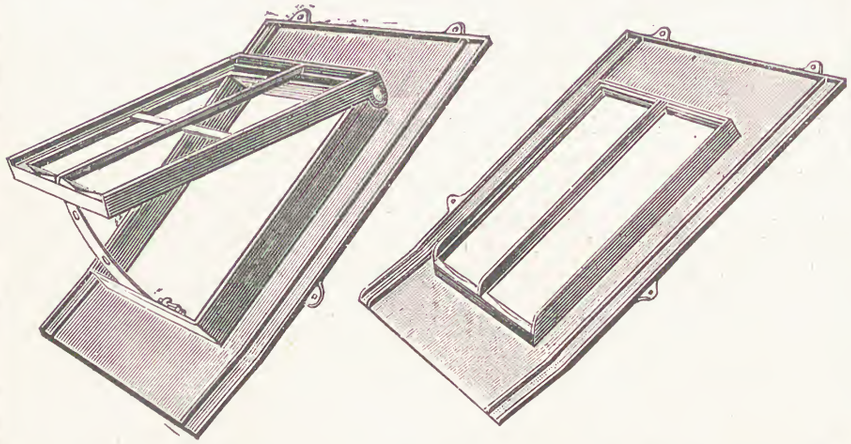


HALF SIZE SECTION OF CASEMENT WHEN REVERSED FOR CLEANING OR AGAINST WIND.

The advantages may be summarized as follows:

1.—Perfect simplicity. 2.—No difficulty in cleaning either itself or adjoining lights.
3.—Being supported at the outer edge by hanging to a complete frame, and at the inner edge by resting always on the cill there is no possibility of sagging or dropping.
4.—Casements can be made any width with perfect safety.
5.—A considerable reduction in cost can be made, thus: A 3-light window would usually be fitted with two casement and one light in centre, but may now, with greater conveniences, have one casement and two fixed lights, thus effecting a saving.
6.—It can be made of any section desired. 7.—Can be adapted to any existing casements.
8.—Fittings can be supplied to fit wood casements.

No 4498. SKYLIGHT. No. 4499. DEADLIGHT.



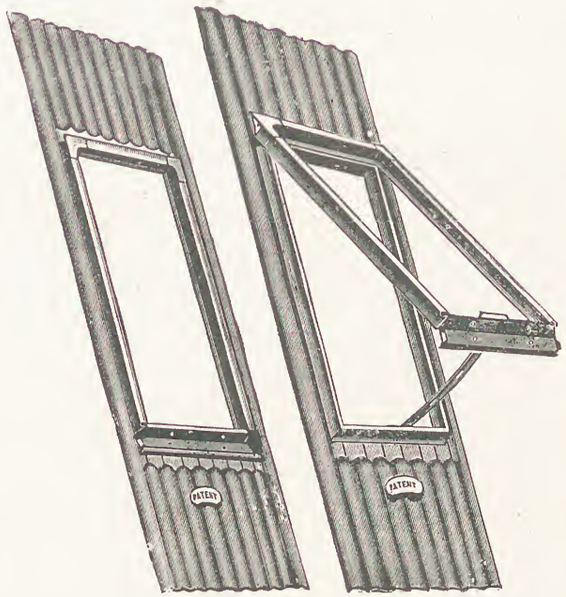
Sizes.	Prices, each. Opening. No. 4498.	Dead. No. 4499.	Sizes.	Prices, each. Opening. No. 4498.	Dead. No. 4499.
8 × 12	4/-	2/3	24 × 30	11/3	7/9
10 × 15	4/9	3/3	18 × 36	10/3	6/9
12 × 14	5/-	3/6	20 × 36	10/9	7/3
12 × 17	5/6	3/9	24 × 36	12/6	8/-
14 × 20	5/9	4/-	30 × 36	16/-	10/9
16 × 24	6/3	4/6	24 × 42	15/3	9/6
18 × 24	7/6	5/6	30 × 42	17/9	12/6
15 × 30	7/6	5/6	36 × 42	23/3	15/3
16 × 30	7/6	5/6	36 × 48	26/9	17/9
18 × 30	9/-	5/9	36 × 54	35/6	24/6
20 × 30	9/3	6/9			

All sizes are day-light sizes.

Skylights fitted with Leggott's Openers, **4/6** each extra in addition to Price of Opener.

PATENT CORRUGATED ROOF LIGHTS.

Puttyless Frames for Glass.

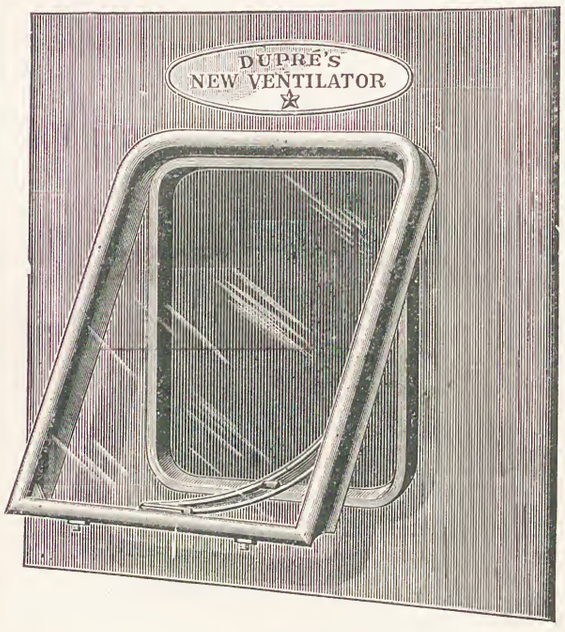


In 24 B.W.G. Galvanized Iron, 8-3 in. Flutes.
Daylight opening 36×18.

	Lengths, 5	6	7	8	9	10 feet.
No. 4500. Dead,	**17/-**	**18/9**	**20/9**	**22/-**	**24/9**	**27/3** each
No. 4501. Opening	**30/-**	**31/3**	**33/-**	**34/9**	**37/3**	**40/-** ,,

We can fit a Double Centre Bar (Puttyless) to either Dead or Opening Lights at an extra of **2/-** enabling Glazing to be done in two panes.

DUPRE'S VENTILATING ROOF LIGHT.



No. 4502.

Dupré's New Ventilating Roof Light is so made as to open and shut easily, with glass, covered in and protected on every side, scarcely liable to breakage.

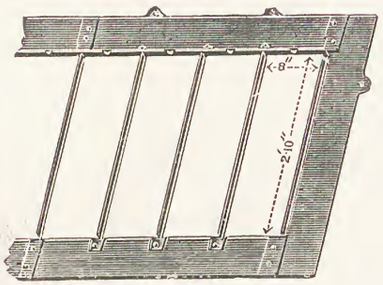
When for Tile Roofing, the base or plate is curved to fit Bridgewater or other Tiles.

Zinc Stock Sizes:—

22×17	19×14	16×12½	13×11	11×9 ins.
15/-	**12/6**	**9/3**	**7/9**	**6/3** each.

Prices are without glass. Use 26 oz. glass.

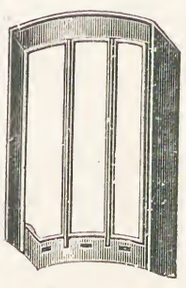
CONTINUOUS ROOF LIGHTS.



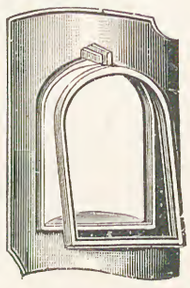
No. 4503.

Made in any length from 3 ft. upwards.
Price—6/3 per 3 ft. set.
Consisting of Top Plate, Bottom Plate and 4 Astragals.
Ends, **4/6** per pair.
Top Frame, $4\frac{5}{8}$ ins. wide.
Bottom ,, $4\frac{3}{4}$,, ,,
Ends $4\frac{1}{4}$,, ,,

TILE LIGHTS.



No. 4505.
Dead Light,
13×10 ins. overall,
2/- each.



No. 4506.
Opening Light,
13×10 ins. overall,
3/- each.

PATENT CAST IRON CORRUGATED ROOF LIGHT.



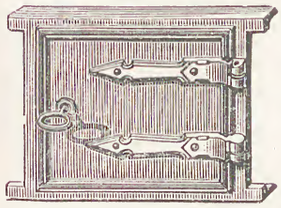
For 3 in. Corrugations.

Day-light,	14×20	16×24	16×30	42×36
Overall,	27×32	27×36	27×42	50×47½

Nos.	PAINTED.				
4507. Deadlights	**10/6**	**12/-**	**17/6**	**35/-**	each.
4508. Skylights	**13/6**	**15/9**	**23/-**	**46/-**	,,
	GALVANIZED.				
4509. Deadlights	**17/6**	**18/6**	**26/-**	**49/9**	,,
4510. Skylights	**22/9**	**26/-**	**33/3**	**66/-**	,,

COPPER DOORS, GRATINGS, ETC.

SOOT DOORS.

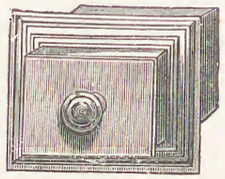


No. 4511.

Sizes.

No. A	5 × 4½ ins.	**1/4**	each.
,, B	5½ ,, 5 ,,	**1/5**	,,
,, C	6 ,, 5¾ ,,	**1/7**	,,
,, D	7½ ,, 6½ ,,	**1/9**	,,
,, E	8¼ ,, 7 ,,	**2/2**	,,
,, F	9¼ ,, 7¾ ,,	**2/4**	,,
,, G	10½ ,, 8¼ ,,	**2/9**	,,
,, H	11¼ ,, 9 ,,	**3/-**	,,
,, I	12¼ ,, 9¼ ,,	**3/3**	,,

SOOT BOXES.

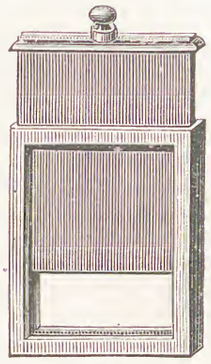


No. 4512.

Sizes.

No. 1	4 × 3½ ins.	**1/9**	each.
,, 2	5¼ ,, 3¾ ,,	**2/6**	,,
,, 3	6¾ ,, 4¾ ,,	**3/-**	,,
,, 4	6¾ ,, 6¾ ,,	**3/3**	,,
,, 5	9 ,, 3¼ ,,	**3/9**	,,
,, 6	9 ,, 6 ,,	**4/-**	,,

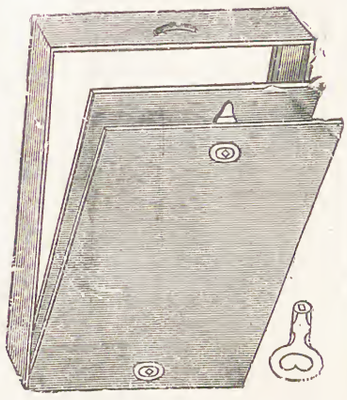
DAMPER AND FRAME.



No. 4513.

Size.	Outside Frame.	Opening.		
1	6 × 8	4 × 6	**1/-**	each.
2	7 ,, 9	5 ,, 7	**1/2**	,,
3	8 ,, 10	6 ,, 8	**1/6**	,,
4	9 ,, 11	7 ,, 9	**2/-**	,,
5	10 ,, 12	8 ,, 10	**2/3**	,,
6	12 ,, 14	10 ,, 12	**2/9**	,,
7	14 ,, 16	12 ,, 14	**3/6**	,,

IMPROVED SOOT DOOR.



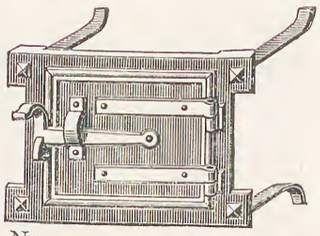
No. 4514.

Sizes 12½×9½ 14½×9½ 14¾×12¾ 14¾×14¾ 18×16 ins

Price 8/6 9/6 11/3 13/3 19/6 ea.

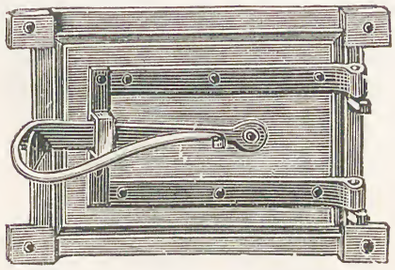
COPPER DOORS.

MEDIUM DOOR AND FRAME, WROUGHT FITTED.



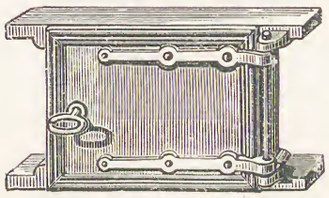
Nos.	1	2	3	4
Outside Sizes	7×6	8×6½	8¼×7¼	10×8 ins.
No. 4515. Light	**12/-**	**15/-**	**21/-**	**30/-** doz.
No. 4516. Medium	**1/4**	**1/6**	**2/-**	**3/-** ea.

STRONG DOOR AND FRAME, WROUGHT FITTED.



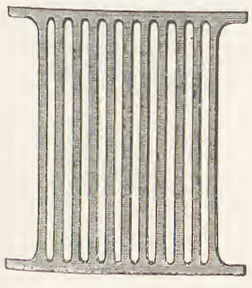
Outside Sizes	9×7	10×8	11×8½	12×10	13×10½	15×12 ins.
Nos.	1	2	3	4	5	6
No. 4517.	**2/6**	**3/-**	**3/6**	**4/6**	**7/-**	**8/6** ea.

CAST HINGE COPPER DOOR.



Nos.	1	2	3	4
No. 4518.	**1/6**	**2/-**	**2/3**	**2/6** each.

COPPER GRATINGS.



No. 4519. Light.

Nos.	1	2	3
Sizes	9×6	10×7	11×8 ins.
Prices	**9/-**	**12/-**	**16/-** doz.

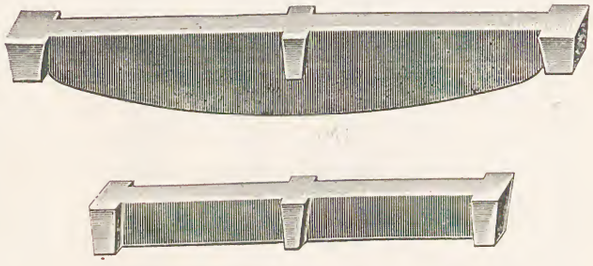
No. 4520. Medium.

Nos.	1	2	3	4
Sizes	9½×6½	10½×7½	12×8½	14×9 ins.
Prices	**1/-**	**1/3**	**1/6**	**2/3** each

No 4521. Strong.

Prices	**1/6**	**1/9**	**2/-**	**2/6** ,,

FURNACE BARS.



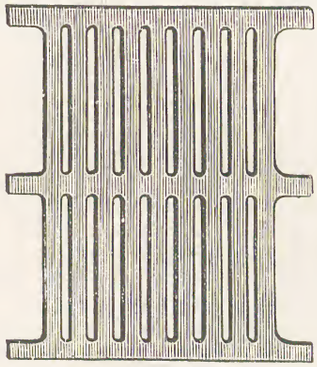
No. 4522.

6 to 24 ins.	**12/-**	per cwt.
Heavy 24 to 60 ins.	**11/-**	,,

Bearers same price.

Bars Cast to Customer's own Patterns.

EXTRA HEAVY FURNACE GRATING.

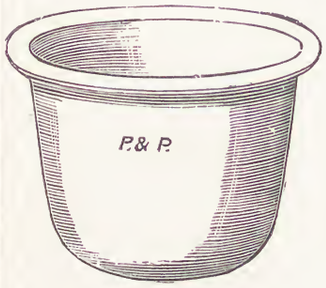


No. 4523.

Sizes.

13 × 20 × ⅞ ins.	**5/9**	each
14 ,, 16 ,, 1 ,,	**6/-**	,,
14 ,, 22 ,, 1 ,,	**8/-**	,,
15 ,, 24 ,, 1 ,,	**10/-**	,,
18 ,, 18 ,, 1 ,,	**8/6**	,,
18 ,, 20 ,, 1 ,,	**10/-**	,,
18 ,, 22 ,, 1 ,,	**12/6**	,,

CAST-IRON FURNACE PANS.



No. 4524. Galvanized.
6 to 25 gallon **6½**d. per gallon.
26 gallon and upwards quoted on application.

Estimate for Black Furnace Pans on receipt of sizes or capacity.

No. 4525.
"Rustless" Furnace Pans same price as above.

DIMENSIONS.

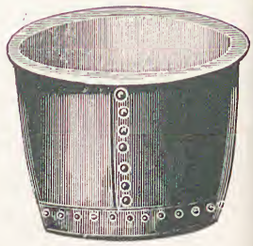
Contents in gallons.	Inside dia. at top, inches.	Contents in gallons.	Inside dia. at top, inches.	Contents in gallons.	Inside dia. at top, inches.
6	15⅛	20	23	60	31¼
8	16⅜	25	24½	70	33
10	18¼	30	26½	80	34½
12	19¼	35	27½	90	36½
14	20½	40	29	100	37½
16	21	45	30	120	39½
18	21½	50	30½	150	43

Pipe and Cock fitted to Iron and Copper Pans at slight cost.

COPPER FURNACE PANS.

Average Weight, 1½ lb. per gallon.

No. 4526.
Price 1/6 per lb.,
subject to Market Fluctuations.
Best Town Made.
Well Hammered.
Well Rivetted.

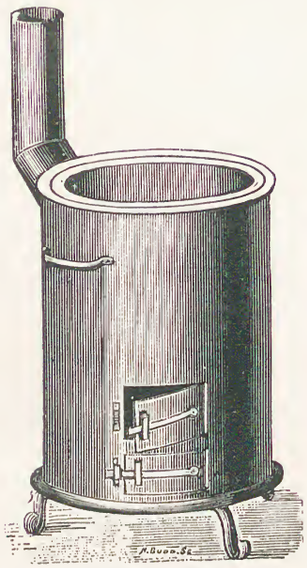


DIMENSIONS.

Contents in gallons.	Inside dia. at top, inches.	Contents in gallons.	Inside dia. at top, inches.	Contents in gallons.	Inside dia at top, inches.
6	13¼	13	19	29	24½
7	14⅓	14	19½	31	25½
8	15¼	16	20	35	26
9	16⅛	18	21	38	26½
10	17	20	21½	43	27½
11	17½	22½	22½	45	28
12	18¼	24	23	50	29

Copper Pans can be Tinned Inside at a small charge extra.

PORTABLE BOILERS.

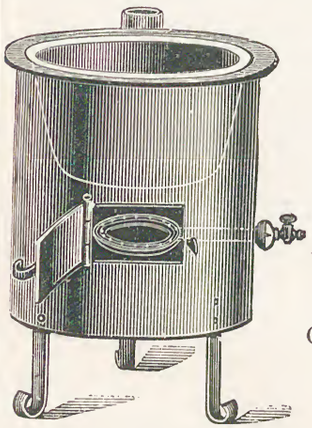


No. 4527.
Wrought-iron Frame, with Galvanized Cast Pan, 2 ft. of Pipe and one Elbow.

6	8	10	12	14	16	20	25 gallon.
21/-	**25/-**	**29/-**	**31/-**	**35/-**	**41/**	**50/-**	**70/-** each.

Galvanized Covers extra.

2/3	**2/9**	**3/-**	**3/6**	**3/9**	**4/-**	**5/-**	**6/-** each.

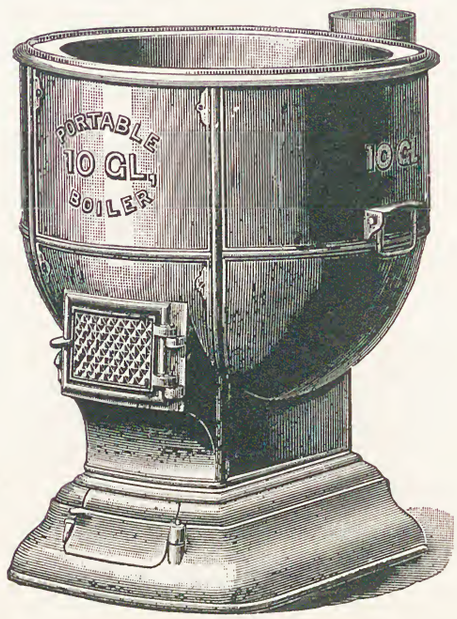


Wrought-iron Frame, with Galvanized Cast Pan and 2 ft. of Pipe and one Elbow.

Galvanized Covers extra as above.

No. 4528. For Gas.

6	8	10	12	14	16	20	25 gallon.
26/-	**30/-**	**34/-**	**36/-**	**40/-**	**46/-**	**55/-**	**75/-** each.



No. 4529. Cast-iron, on Base.

	With Plain Boiler.	Galvanized Boiler.	Hinged Galvanized Cover.	
6 gallon ..	**29/6**	**33/3**	**9/-**	each.
8 ,, ..	**33/-**	**37/9**	**10/-**	,,
10 ,, ..	**38/3**	**44/3**	**11/3**	,,
12 ,, ..	**41/6**	**49/-**	**12/3**	,,
16 ,, ..	**46/6**	**56/6**	**14/9**	,,
18 ,, ..	**48/9**	**59/9**	**15/9**	,,
20 ,, ..	**50/3**	**62/6**	**16/9**	,,
25 ,, ..	**57/**	**72/9**	**18/-**	,,

Extra Bricks to suit above. **No. 4530.**

For 6	8	10	12	16	18	20	25 gallon.
2/9	**2/9**	**2/9**	**2/9**	**2/9**	**2/9**	**3/6**	**3/6** per set.

Draw-off Cocks fitted ¾ ⅞ 1 in.
Each extra **10/6** **13/3** **17/3**

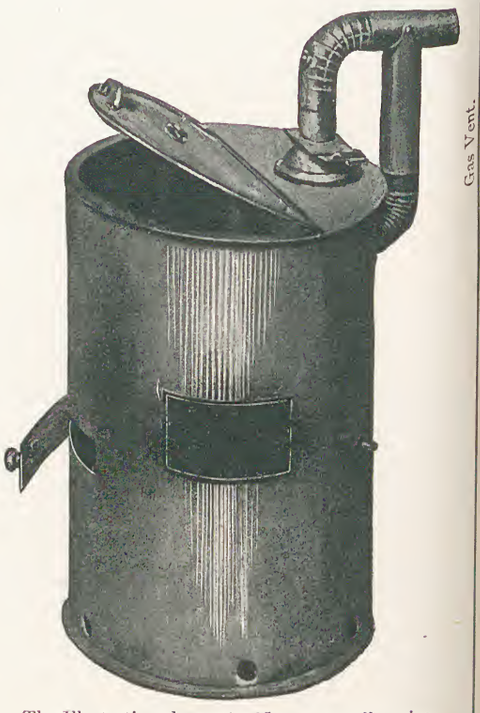
If mounted on Wheels. **No. 4531.**
13/- each extra.

Flue at top for 5 in. Smoke Pipe.

For Smoke Pipe and Fittings, see page 141.

"ECONOMICAL" GAS BOILER.

(Registered.)



The Illustration shows the No. 1, 10-gallon size.

Ordinary Pattern, **No. 4532**, complete with Bunsen Burner and Tinned Copper Pan.

To hold	10	12	14	16 gallons.
Price	**50/-**	**58/-**	**66/-**	**79/3** each.

If with Copper Lid in place of Galvanized Iron.

Nos.	1	2	3	4	
	14/-	**15/3**	**16/9**	**18/-**	each extra.

Extra if either size is fitted with ¾ in. Brass Draw-off Tap from side, **9/3**

Extra if either size is fitted with ⅞ in. Brass Tap, connected from bottom of Boiler Pan with solid drawn COPPER Tube, **26/-**

Extra if either size is fitted with very powerful Duplex Burner, **13/3**

PORTABLE BOILERS.



No. 4533.—FOR GAS.

Cheap, yet serviceable Boiler, with Combined Steam Outlet and Flue. The Boiler is of strong planished copper, tinned with pure metal. The Top, Hinged Lid, and Flues are of fine Cast Iron, Galvanized; the Legs are of strong Cast Iron, Japanned; and the Case of Plate Iron, Galvanized, making a useful, economical, and durable article.

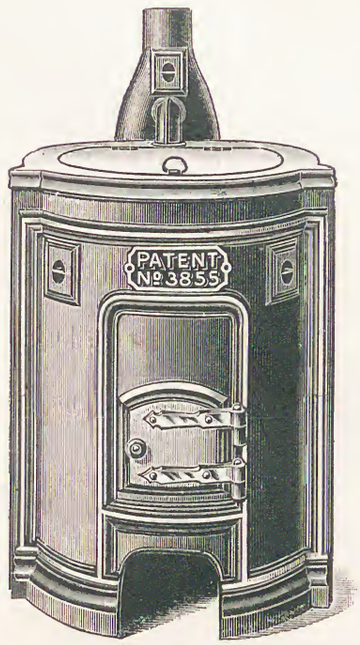
One size only, 12 gallons. Size outside, 21¾ ins. × 31 ins. high.

Size of Flue outlet, 3 ins.

Price, £3 6 0 each.

Draw-off Cock, **7/9** extra.

FOR SMOKE PIPE AND FITTINGS see page 141.



No. 4534.—FOR FUEL.

With Rustless Pan and Top. Galvanized Lid with Copper Hinges.

Steam Escape. Soot Doors.

Body and Top, strong clean Castings.

Capacity.	Height.	Width.	**Price.**
6 gallons	27 ins.	18 ins.	**47**/- each.
8 ,,	27 ,,	20 ,,	**49/9** ,,
10 ,,	30 ,,	22 ,,	**52/6** ,,

Smoke Pipe is 5 ins. diameter outside.

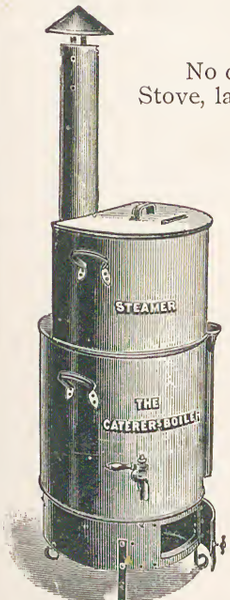
FOR SMOKE PIPE AND FITTINGS see page 141.

OIL-HEATED RAPID BOILERS.

For PIC-NIC, BOATING or SCHOOL PARTIES, BATHS, &c.

No danger, smoke, or nuisance. Made on tubular principle, with air pressure wickless Stove, lamp giving intense heat, which may be used for other purposes, cooking, &c.

No. 4535.	2 galls.	Tinned or Galvanized Steel, with Wood Lever Tap, &c.	**£2 16 0**	each
	5 ,,	do. do. do.	**3 13 6**	,,
	10 ,,	do. do. do.	**4 6 9**	,,
No. 4536.	5 ,,	Stout Copper, Tinned inside, do.	**4 13 6**	,,
	10 ,,	do. do. do.	**5 13 6**	,,



No. 4535.—FOR OIL.

ORDINARY FIRE RAPID BOILERS.

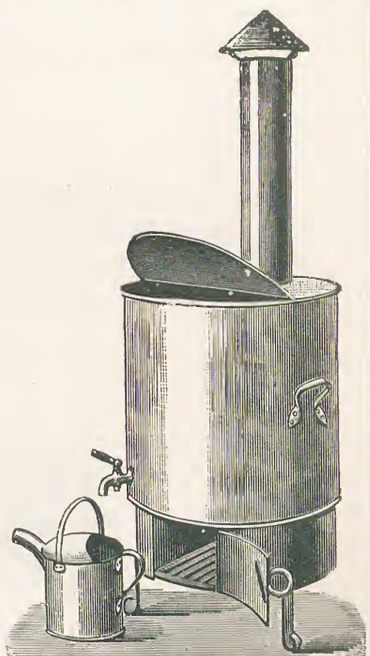
For REFRESHMENT CONTRACTORS, &c.

	No. 4537. Boiler of stout Galvanized Steel.	**No. 4538.** Boiler of stout Copper, pure Tinned inside.
Capacity, 20 galls. ..	**£3 17 6** each. ..	**£6 6 9** each.
,, 30 ,, ..	**4 16 0** ,, ..	**7 9 3** ,,
,, 40 ,, ..	**5 13 6** ,, ..	**8 13 3** ,,
,, 60 ,, ..	.. (with three Flues)	**10 13 3** ,,

Priced, with one large Brass Tap with fixed Wood Lever Handle.

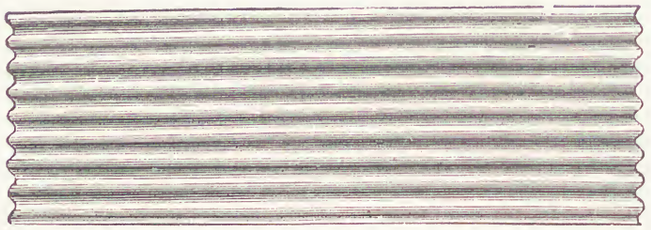
Extra Taps, **9,3** each.

☞ The 30 gallon size, in Copper, is mostly preferred, and recommended as most useful for Caterers.



No. 4537.—FOR FUEL.

GALVANIZED CORRUGATED SHEETS.



8-3 in. Corrugations covering 2 ft. wide when fixed.

A large Stock is kept of Sheets from 5 ft. to 10 ft long, 8-3 in. corrugations in 20, 22, 24 and 26, W.G.

Special Prices including Free Delivery to your Station Quoted on Application.

ENLARGED SECTION OF WIDTH

Showing 8—3 in. corrugations, covering 2 ft. wide when fixed.



RELATIVE THICKNESS AND WEIGHT PER SQUARE FOOT OF THE DIFFERENT GUAGES



16	18	20	22	24	26	28 W.G.
49¼	39¼	31½	24½	20¼	15	13¾ ozs.

GALVANIZED CORRUGATED IRON SHEETS, 8—3 IN. CORRUGATIONS.

APPROXIMATE WEIGHT PER SHEET.

Long	5 ft.	6 ft	7 ft.	8 ft.	9 ft.	10 ft.
16 W.G.	33½ lbs.	40 lbs.	47 lbs.	53¼ lbs	60 lbs.	67 lbs.
18 ,,	26½ ,,	32 ,,	37 ,,	43 ,,	48 ,,	53 ,,
20 ,,	21 ,,	25½ ,,	30 ,,	34 ,,	38 ,,	42½ ,,
22 ,,	17 ,,	20 ,,	23½ ,,	27 ,,	30 ,,	33½ ,,
24 ,,	13¼ ,,	16 ,,	18¾ ,,	21½ ,,	24 ,,	27 ,,
26 ,,	10¼ ,,	12¼ ,,	14½ ,,	16½ ,,	18¾ ,,	21 ,,
28 ,,	9½ ,,	11¼ ,,	13¼ ,,	15 ,,	17 ,,	19 ,,

APPROXIMATE NUMBER OF SHEETS TO ONE TON.

5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	Long
67	56	48	42	37	33	16 W.G.
84	70	60	52	46	42	18 ,,
105	88	75	66	58	53	20 ,,
134	112	96	84	74	67	22 ,,
168	140	120	105	93	84	24 ,,
216	180	154	135	120	108	26 ,,
240	200	171	150	133	120	28 ,,

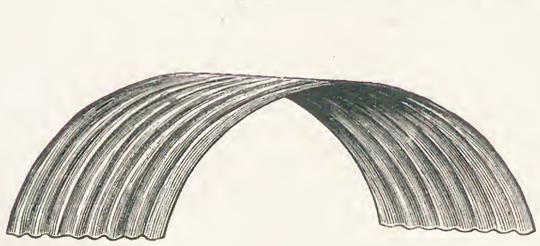
APPROXIMATE WEIGHT OF GALVANIZED CORRUGATED STRAIGHT SHEETS, WHEN FIXED ON ROOF.

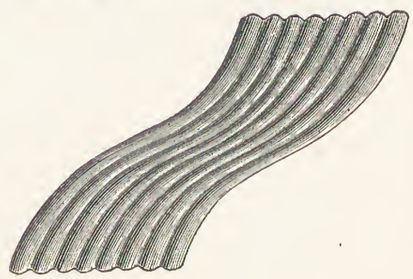
18			20			22			24			26 W.G.			
cwt.	qrs.	lbs.	cwt.	qrs.	lbs.	cwt.	qrs.	lbs.	cwt.	qrs	lbs.	cwt.	qrs.	lbs.	per square of 10 ft. × 10 ft. — 100 superficial feet.
2	1	21	1	3	21	1	2	7	1	1	7	1	0	7	

ONE TON OF GALVANIZED CORRUGATED IRON SHEETS WILL COVER WHEN FIXED, AND AFTER ALLOWING FOR LAPS, THE UNDERNAMED AREAS.

16	18	20	22	24	26	28 W.G.
600	800	1020	1280	1530	2100	2250 Square Feet.

CORRUGATED IRON SHEETS.





Cutting Stock Size Sheets to Special Lengths, **6**d. per sheet.

No. 4539. Circular Curving to any radius required, average extra charge, **2**/- per cwt.

No. 4540. O.G. Curving for Verandahs. Average extra charge **2**/- per sheet.

GALVANIZED ROOFING SHEETS.

No. 4541. As Drawn,
With three corrugations,
12 in. centres.

No. 4542.
Four corrugations, 8 in. centres.



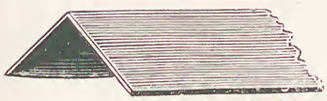
Two feet wide when fixed as ordinary corrugated sheet.

In lengths of 5, 6, 7, 8, 9 and 10 ft., and Nos 26, 24 and 22 Gauges.

No. 4541. Canadian Pattern.

Prices, 35/- per ton on current prices of ordinary Galvanized Corrugated Sheets if taken in 2-ton lots.

RIDGING FOR IRON ROOFS.



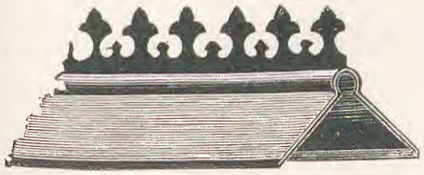
No. 4543.



No. 4544.



No. 4546.



No. 4548.

Zinc Ridging is sent out in 7 ft. lengths and Galvanized in 6 fts.

			Sizes, 12	15	18 in. girth.
No. 4543.	Galvanized Plain Ridging		**1/9**	**2/3**	**2/9** per length.
,, **4544.**	,, Roll ,, ...		**2/-**	**2/3**	**2/9** ,,
,, **4545.**	Zinc ,, ,, ...		**2/9**	**3/-**	**3/6** ,,
,, **4546.**	Improved Scalloped Flange Roll Ridging	Galvanized	**2/3**	**2/6**	**3/-** ,,
,, **4547.**	Do. do.	Zinc	**3/9**	**4/-**	**4/6** ,,
,, **4548.**	Ornamental	Galvanized	**4/6**	**4/9**	**5/3** ,,
,, **4549.**	Do.	Zinc	**6/3**	**7/-**	**7/6** ,,

GALVANIZED FITTINGS FOR CORRUGATED SHEETS.

CONEHEAD SCREWS.



No. 4550.

Sizes, 2		2½	3 ins.
3/-	..	**3/6**	**4/-** per gross.
57/-	..	**55/-**	**53/6** per cwt.

CHISEL POINTED NAILS.



No. 4551.

Sizes, 2		2½		3 ins.
2/6	..	**3/-**	..	**3/6** per gross.
30/3	..	**29/6**	..	**28/6** per cwt.

GALVANIZED WASHERS.

No. 4552.

1/- per gross.

3/- per 7 lb. packet.

40/- per cwt.

LEAD WASHERS.



No. 4553

3/6 per 7 lb. packet.

GALVANIZED BOLTS AND NUTS.

No. 4554.

For Sheets ¾ × ¼ in.

3/6 per gross.



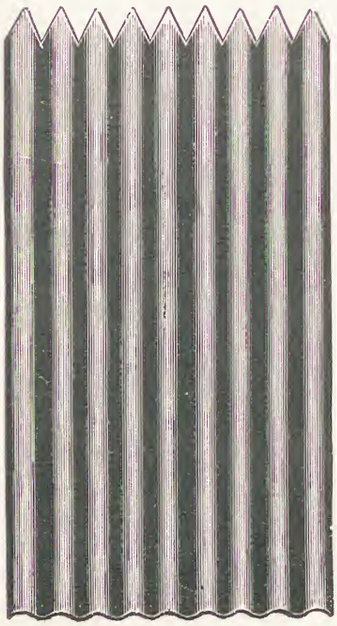
CHEAP QUALITY GALVANIZED CORRUGATED SHEETS (Not Recommended).

These are perfectly new but defective sheets made sound with solder, and are suitable for sheds and cheap jobs, or where price is an object.

All Holes and Splits made Perfectly Sound with Solder. Sheets Guaranteed Waterproof. Estimate sent on receipt of requirements.

UNCLIMBABLE FENCING.

MADE OF GALVANIZED CORRUGATED SHEETS.



No. 4555. Mitre Pattern.

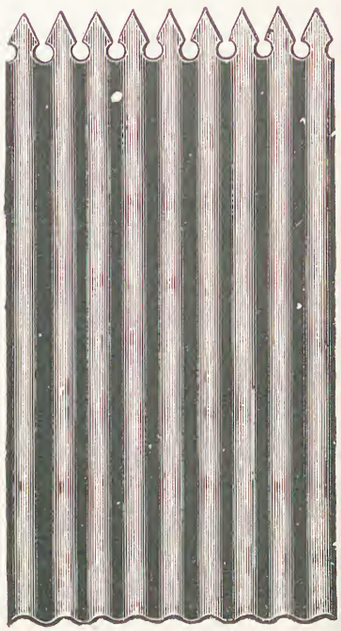
These Sheets form a very neat and serviceable Fence for enclosing Feeding Grounds, Parks, Gardens, &c. They can be fixed to either Wood or Iron Framework, are practically unclimbable, and can be erected by any labourer.

They are serrated before galvanized, consequently there are no raw edges to rust.

Heights 5 to 10 ft. in 18, 20, 22, 24 and 26 G.

PRICE £2 per ton (one ton lots and up) extra on Current Price of Galvanized Corrugated Sheets.

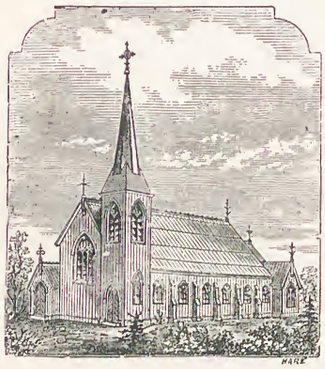
GROSS WEIGHT CHARGED.



No. 4556. Spearhead Pattern.

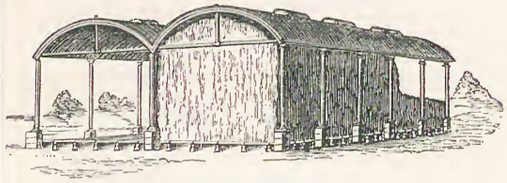
Contractors for the Erection of every description of Iron Buildings, Bicycle Houses, Summer Houses, Kennels, Poultry Houses, &c.

CHURCHES, CHAPELS, MISSION HALLS.



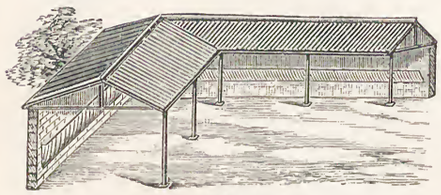
No. 4557.

DOUBLE SPAN CURVED ROOF,
With Tie and King Rod.



No. 4558.

OPEN CATTLE SHEDS.



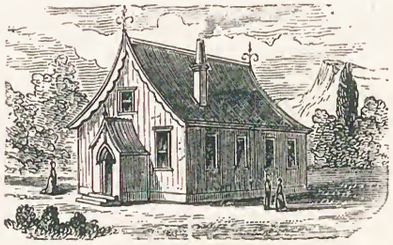
No. 4559.

STABLES.



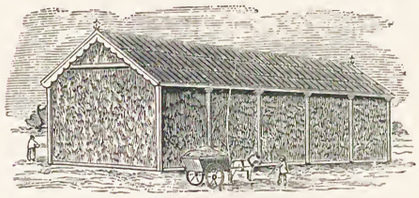
No. 4560.

BUNGALOWS, &c.



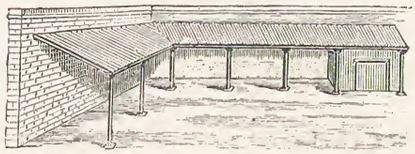
No 4561.

HAY OR GRAIN SHEDS.



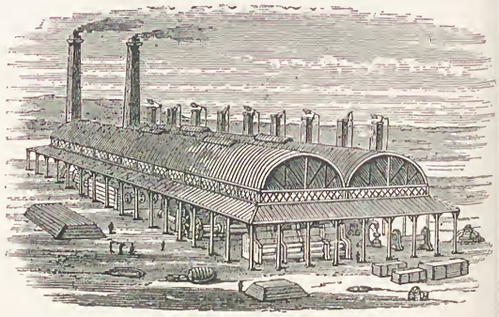
No. 4562.

LEAN-TO CART SHEDS.



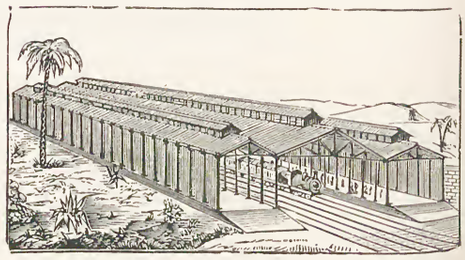
No. 4563.

ROOFS OVER WORKS.



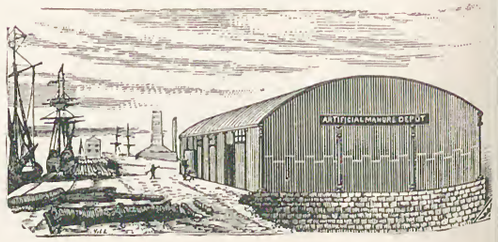
No. 4564.

RAILWAY STATION.



No. 4565.

DOCK SHEDS.



No. 4566.

LUMP SUM given for Materials only. All Parts Plainly Marked Ready for fixing by Purchaser at Destination, and to include Free Delivery to the nearest Railway Station, or we will undertake the Erection at any place.

SPECIAL DESIGNS AND ESTIMATES ON APPLICATION.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

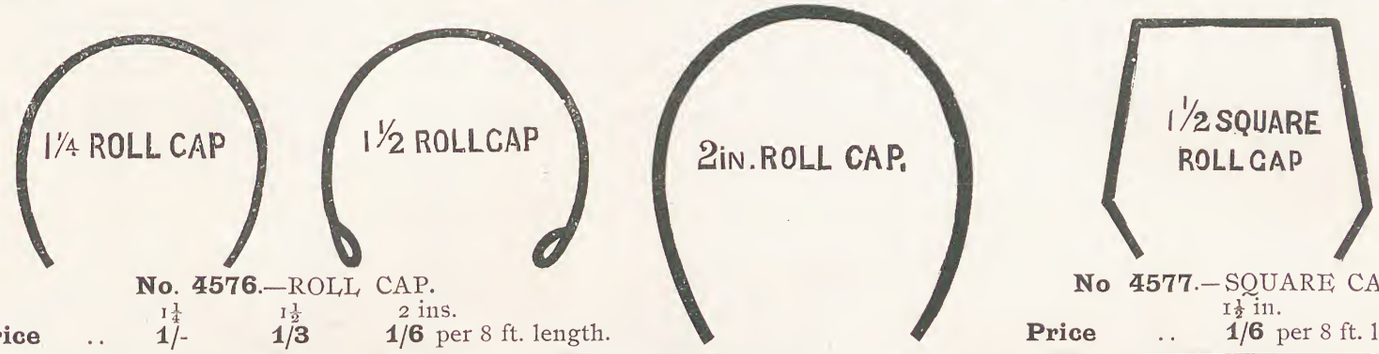
ZINC ORNAMENTAL MOULDINGS, BEADINGS, BAR, &c.



Nos. 4567 4568 4569 4570 4571 4572 4573 4574 4575

Full size Stock Sections.

Drawings and Prices submitted on receipt of application, giving particulars of your requirements, for Sash Bars, for Verandahs, Casements, &c.



No. 4576.—ROLL CAP.

	1¼	1½	2 ins.
Price ..	**1/-**	**1/3**	**1/6** per 8 ft. length.

No 4577.—SQUARE CAP.

	1½ in.
Price ..	**1/6** per 8 ft. length.

STAMPED ZINC MOULDINGS.



No. 4578.—2 ins. wide.

No. 4578.
1/6 per yard.



No. 4579.—3 ins. wide.

No. 4579.
1/4 per yard.

No. 4580.
1/9 per yard.



No. 4580.—5 ins. wide.

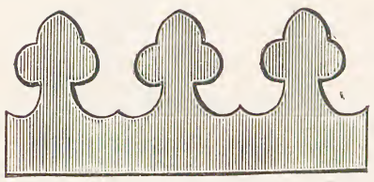
No. 4581.
2/- per yard.



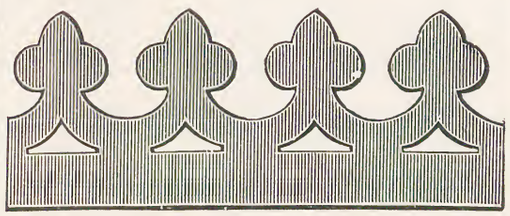
No. 4581.—3½ ins. wide.

PERFORATED ZINC FRIEZES AND FRETS.

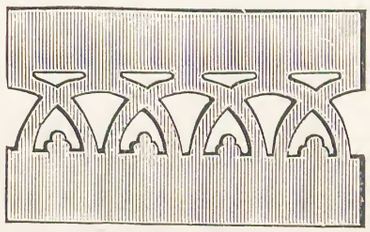
Full size Patterns, in 8 ft. lengths.



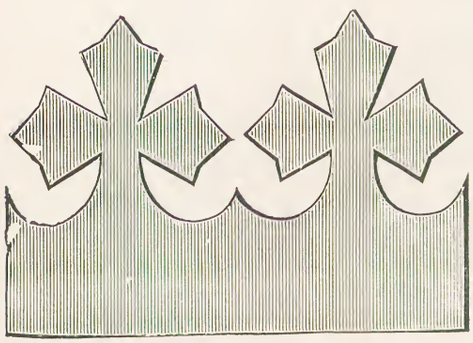
No. 4582.—**1/-** per length.



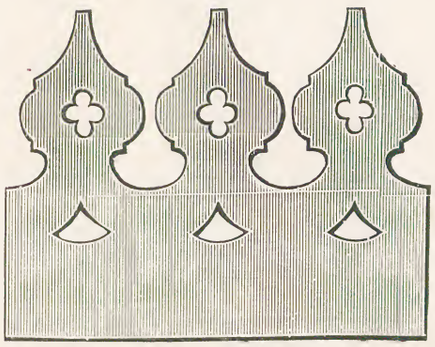
No. 4583.—**1/3** per length.



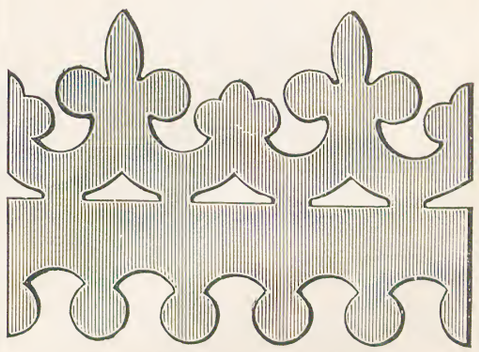
No. 4584.—**1/3** per length.



No. 4585.—**1/6** per length



No. 4586.—**1/9** per length.



No. 4587.—**1/9** per length.

CAST IRON CRESTINGS.



No. 4588. 2½ ins. high

In 34 in. lengths, **5d.** per ft.



No. 4589. 3½ ins. high

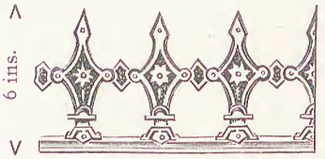
In 36 in. lengths, **6d.** per ft.



No. 4590. 3½ ins. high

Ornamental both sides

In 36 in. lengths, **6d.** per ft.



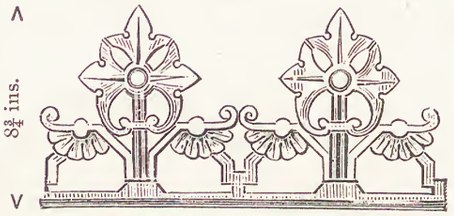
No. 4591. 6 ins. high

In 24 in. lengths, **9d.** per ft.



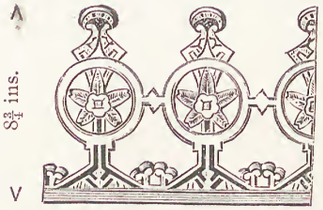
No. 4592. 5¾ ins. high

In 30 in. lengths, **9d.** per ft.



No. 4593. 8¾ ins. high

In 36 in. lengths, **1/-** per foot.



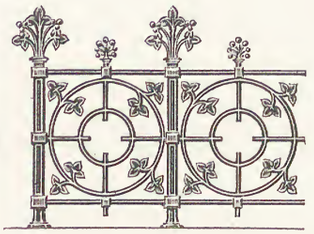
No. 4594. 8¾ ins. high

In 24 in. lengths, **1/-** per foot.



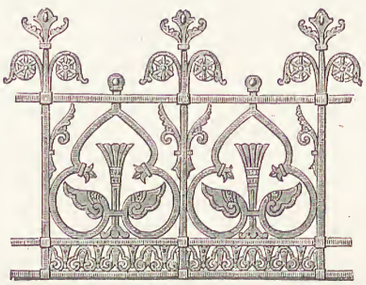
No. 4595. 8½ ins. high

In 24 in. lengths, **2/-** per ft.



No. 4596 20 ins. high

In 24 in. lengths, **3/3** per ft.



No 4597. 21½ ins. high

In 24 in. lengths, **3/-** per ft.

CAST IRON FINIALS.



No. 4598. Height, 10¾ ins.

Two-way .. .. **1/3** each

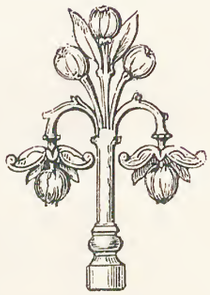
Four-way .. .. **2/-** ,,



No. 4599. Height, 15 ins.

Two-way .. .. **2/-** each

Four-way .. .. **3/3** ,,



No. 4600. Height, 16½ ins.

Two-way .. .. **3/6** each

Four-way .. .. **5/6** ,,



No. 4601. Height, 18½ ins.

Two-way .. .. **3/6** each

Four-way .. .. **6/-** ,,



No. 4602. Height, 24 ins.
4/9 each



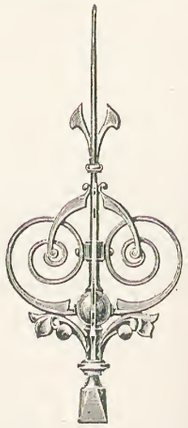
No. 4603. Height, 27 ins.
6/3 each



No. 4604. Height, 35½ ins.
9/3 each

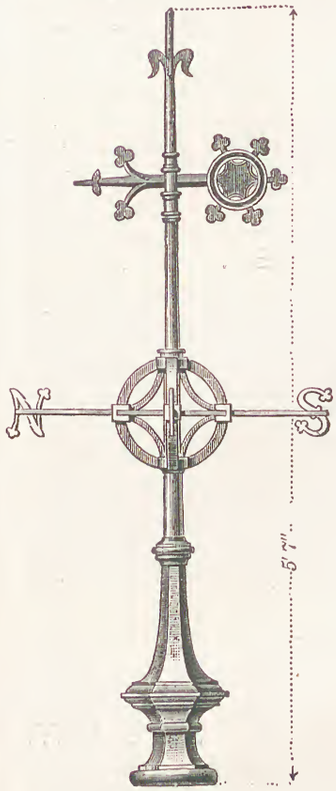


No. 4605. Height, 36 ins.
6/3 each



No. 4606. Height, 36 ins.
9/- each

CAST-IRON WEATHER VANE.



No. 4607. 4-Way.
Height 5 ft. 7 ins.
Price . **34/9** each.
With Wood Screw cast in.

ZINC FINIALS.

For Ridges of Roofs and Eaves of Verandahs.

Drawn one-tenth full size.



No. 4608.



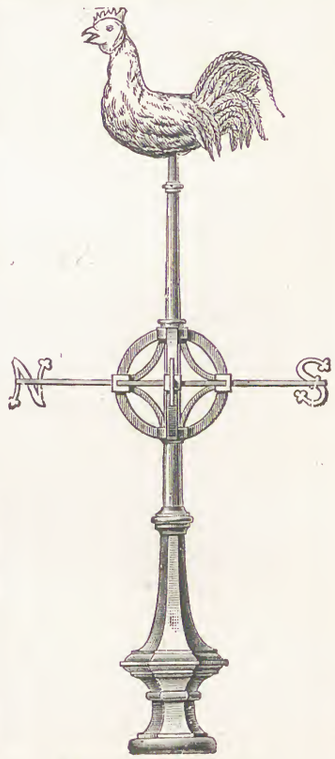
No. 4609.



No. 4610.

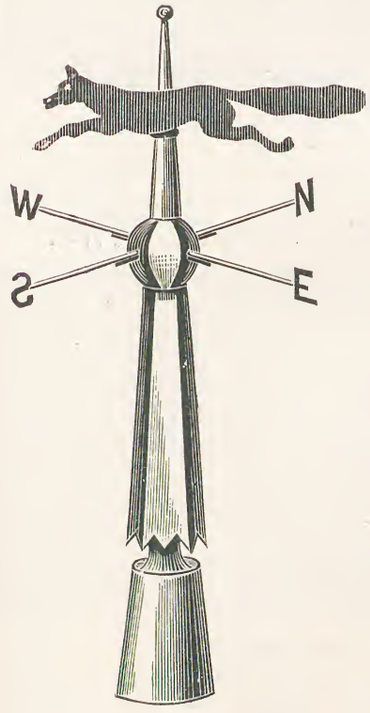
No. 4608.	1 ft. 8 ins. high.	**Price**	**10/3** each.
No. 4609.	2 ft. 6 ins. high.	,,	**9/9** ,,
No. 4610.	2 ft. 1 ins. high.	,,	**13/3** ,,

CAST-IRON WEATHER VANE.

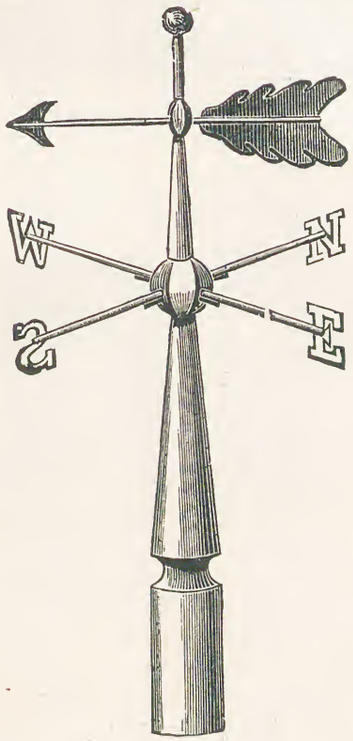


No. 4611. 4-Way.
Height 5 ft. 8 ins.
Price .. **37/3** each.
With Wood Screw cast in.

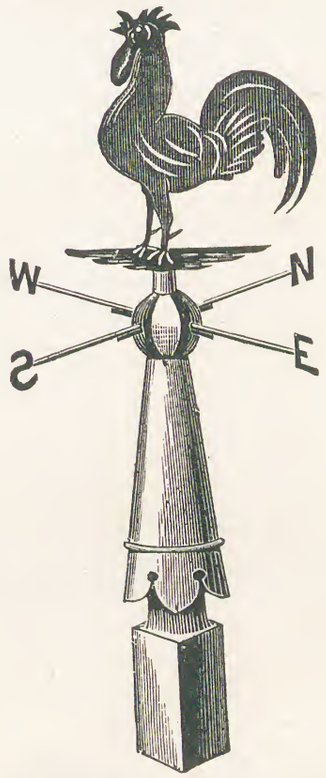
ZINC AND COPPER WEATHER VANES.



No. 4612. With Flat Fox.
Made of good material, mounted on Hardened Steel-pointed Spindles, and evenly balanced.
3 ft. 6 ins., 4 ft., or 4 ft. 6 ins. high.
Bases made to fit tightly on 4 in. Pole.
Price 48/9 each
If in Copper, **84/3** each.
Japanned in Colour **12/-** extra.



No. 4613.
Made of good material, mounted on Hardened Steel-pointed Spindles, and evenly balanced. 4 ft. high.
Bases made to fit tightly on 4 in. Pole.
Price 24/- each.
If in Copper, **66/9** each.
Japanned in Colour, **12/-** extra.

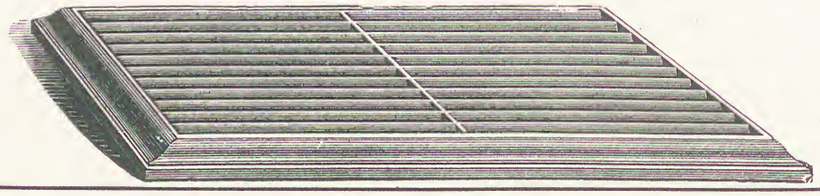


No. 4614. With Flat Cock.
Made of good material, mounted on Hardened Steel-pointed Spindles, and evenly balanced.
Bases made to fit tightly on 4 in. Pole.
3 ft. 6 ins , 4 ft , or 4 ft. 6 ins. high.
Price 53/3 each.
If in Copper, **97/6** each.
Japanned in Colour, **12/-** extra.

CAST IRON DOOR MAT OR GRAVEL SCRAPER.

No. 4615 Cast Iron.

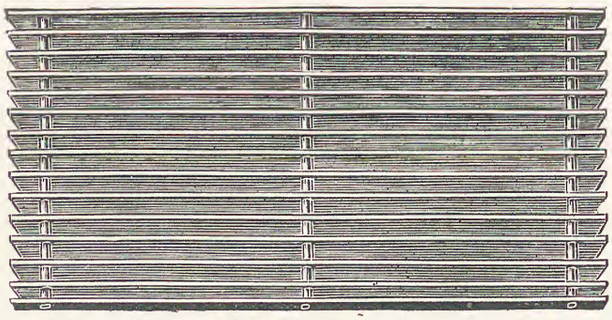
Sizes, 12×12 15×12 24×14 ins.
3/3 **4/6** **6/-** each.



No. 4615. Cast Iron.

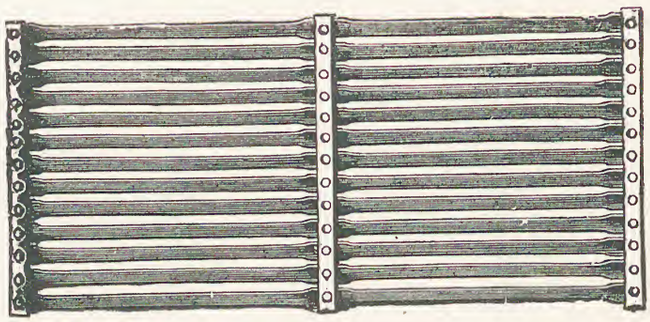
Sizes, 30×16 36×18 48×18 ins.
7/6 **9/3** **13/6** each.

EXTRA STRONG WROUGHT IRON DOOR MATS. GALVANIZED.



No. 4616.

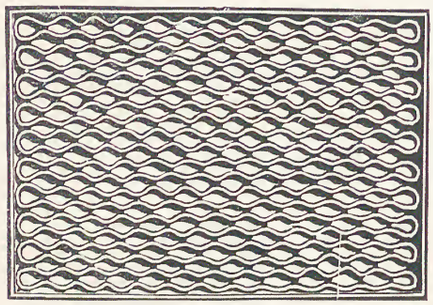
Sizes, 18×12 24×15 30×18 36×21 48×24 48×30 ins.
Prices, 8/9 **13/9** **17/9** **24/6** **35/6** **71/-** each.



No. 4617.

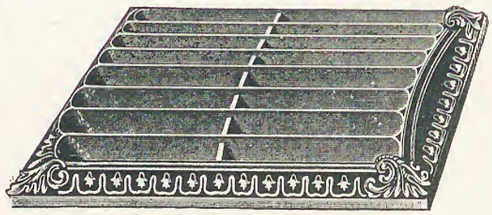
Sizes, 15×12 30×13 ins.
Prices, 6/9 **12/-** each.

GALVANIZED IRON DOOR MAT.



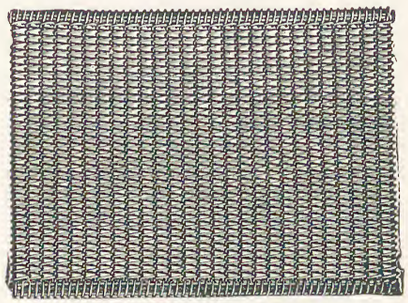
No. 4618. Wrought Iron.
Sizes, 15×11 20×14 28×14 30×14 30×18 ins.
Prices, 3/- **4/9** **7/-** **22/6** **28/-** each.

GRAVEL SCRAPER.



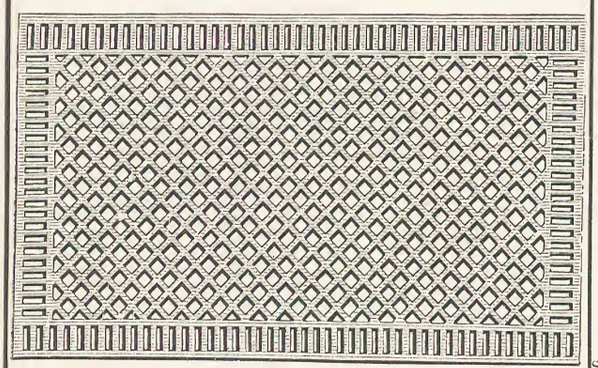
No. 4619. Cast Iron.
Sizes, 18×13 14×11½ ins.
Prices, 3/3 **2/9** each.

SPIRALIUM WIRE MAT.



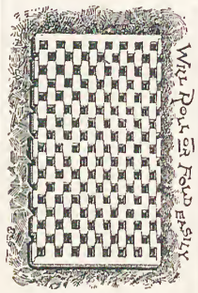
No. 4620. Galvanized Steel Wire.
Sizes, 18×12 20×14 24×12 20×16 24×14 ins.
Prices, 2/9 **3/3** **3/6** **3/9** **4/-** each.
Sizes, 28×16 32×16 32×18 36×24 42×32 ins.
Prices, 5/3 **6/3** **7/-** **10/3** **16/-** each.

INDIA RUBBER MATS.

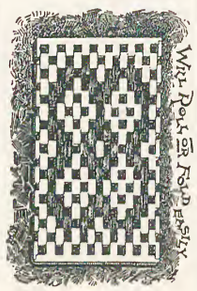


No. 4621. **2/-** per lb.
Made all Sizes and Shapes and to Pattern, from ¼ in. thick upwards.

WIRE WOVE WOOD MATS.



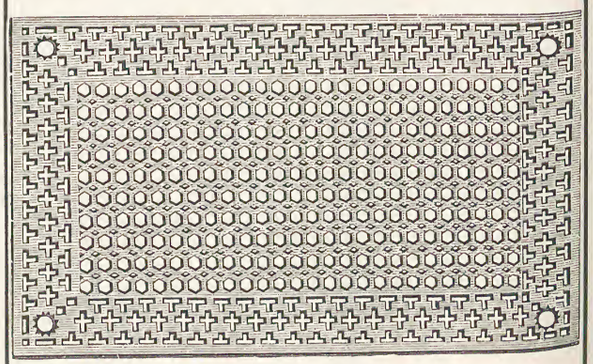
No. 4622.
50 Blocks to the square foot.



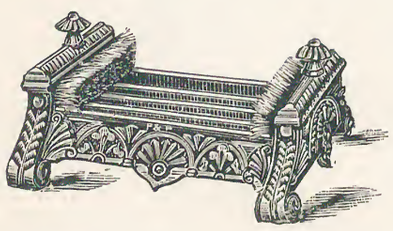
No. 4623.
50 Blocks to the sq. foot, Hardwoods intermixed.

Sizes, 24×14 27×16 30×18 33×20 36×22 42×26 48×30 ins.
No. 4622.
22/3 **26/-** **35/6** **42/6** **53/6** **71/-** **94/-** doz.
No. 4623.
30/- **37/-** **49/6** **59/6** **71/-** **99/-** **130/-** ,,
Billiard and Carriage Mats supplied.

INDIA RUBBER MATS.

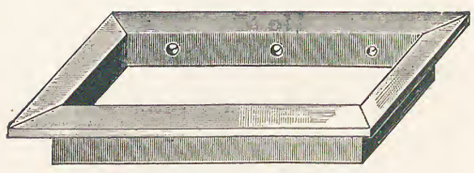


No. 4624. **2/-** per lb.
Names inserted extra.

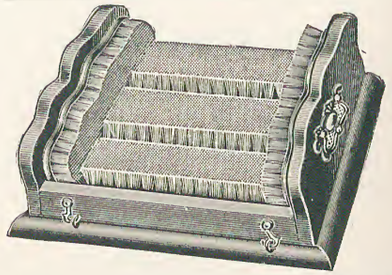


No. 4625. Japanned .. .. .. **7/9** each.
,, **4626.** Berlin Black or Bronzed **8/6** ,,
,, **4627.** With Loose Iron Pan .. **1/6** extra.

MAT WELL.

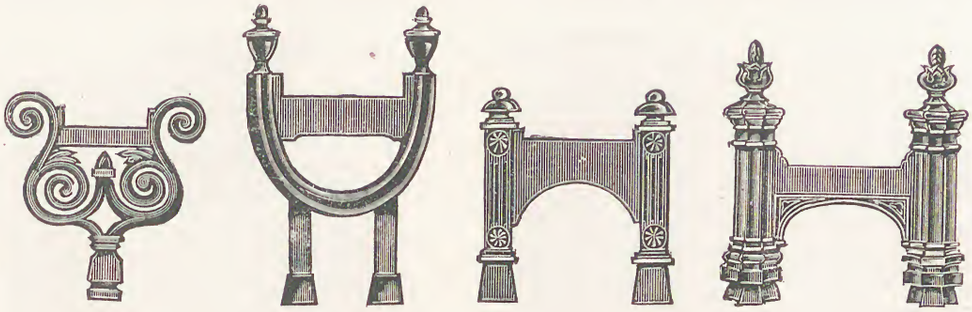


No. 4628. Angle Brass.
1⅜ ins. deep.
Prices on application, with sizes.



No. 4629. Stained Walnut or Oak **13/9** each.
,, **4630.** Solid ,, ,, **18/6** ,,

CAST IRON SCRAPERS FOR STONE.



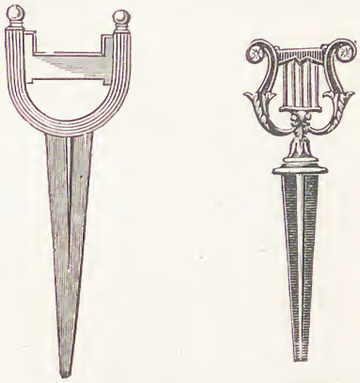
No. **4631.** 1/- each.

No. **4632.** **1/2** each.

No **4633.** **1/3** each.

No. **4634** **2/-** each.

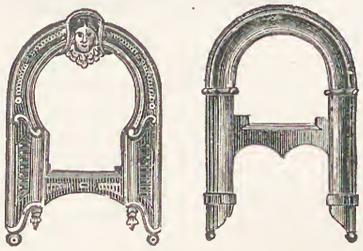
GARDEN SCRAPERS TO DRIVE.



No. **4635.** **1/6** each.

No **4636.** **1/6** each.

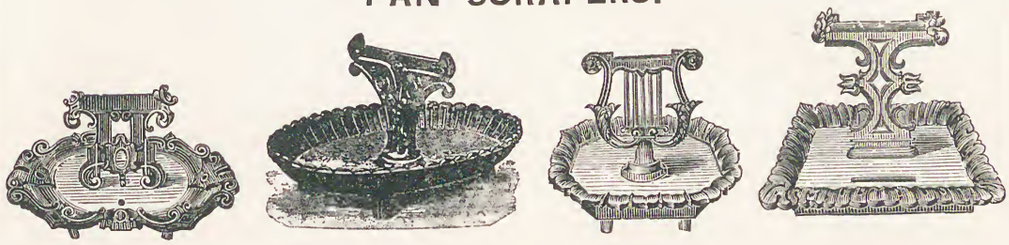
WALL SCRAPERS.



No. **4637.** **1/6** each.

No. **4638.** **1/3** each.

PAN SCRAPERS.



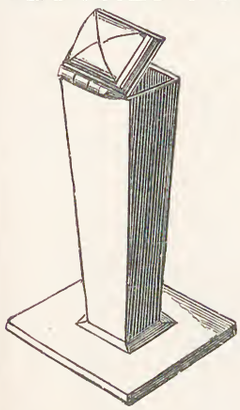
No **4639.** **2/6** each.

No. **4640.** Berlin Blacked, **3/6** each.

No. **4641.** **2/9** each.

No. **4642.** **4/6** each.

CLOTHES POST SOCKETS.

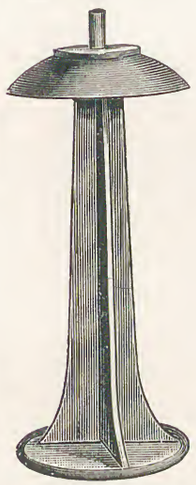


No. **4643.**

With Flat Chequered top Lid Hinged.

3/- each.

Takes 3×3 in. post.



STACK PILLAR.

No. **4644.**

12 ins. wide at Base × 21¼ ins. high,

4/- each.

No **4645.**

11 ins. wide at Base × 26 ins. high,

4/6 each.

Height is overall, to top of Pin.

NUMBER PLATES TO DRIVE.

For Gardens or Parks, etc.



No. **4646.**

Plate 5½×5 ins. 17 ins long, Raised Letters or Numbers Cast on and Painted one coat,

12/- per dozen.

SASH WEIGHTS.

No. **4647.** Round.



Cast Iron or Lead, with Wheels fitted if desired. Estimates on receipt of specification.

STOCK SIZES OF CAST IRON.

Weight. lbs.	Length. inches.	Diameter. inches.	Weight. lbs.	Length. inches.	Diameter. inches.
2	8	1⅛	9½	22	1½
2½	9½	1 3/16	10	23	1⅝
3	12	1¼	10¼	19	1¾
3½	12½	1¼	10½	20	1¾
4	14½	1 3/16	11	21	1¾
4½	13	1 7/16	11½	23	1⅝
5	17¾	1¼	12	23	1¾
5	13½	1 7/16	13	23½	1¾
5½	14½	1½	14	22	1⅞
6	15	1½	15	23½	1⅞
6½	16	1½	15½	21½	1 15/16
7	17	1½	16	23	1⅞
7½	17¾	1½	17	22¾	2 1/16
8	19	1½	18	28½	1¾
8½	20	1½	19	28½	1⅞
9	21	1½	20	29	1⅞
9½	19	1¾			

Weight. lbs.	Length. inches.	Diameter. inches.	Weight. lbs.	Length. inches.	Diameter. inches.
10	18	1½	18	24	1¾
10½	18½	1½	18½	25	1¾
11	19¼	1½	19	25½	1¾
11½	20	1½	19½	26	1¾
12	21	1½	20	22¾	1⅝
12½	22	1½	21	23½	1⅞
13	23	1½	22	25	1⅞
13½	24	1½	23	26	1⅞
14	25	1½	24	27½	1⅞
14½	26	1½	25	28½	1⅞
15	20	1¾	26	30	1⅞
15½	21	1¾	27	27	2
16	21½	1¾	28	28	2
16½	22	1¾	29	29	2
17	23	1¾	30	31½	2
17½	23½	1¾	31	32	2

Large quantities of stock sizes, round and square kept on hand.

Orders despatched on day of receipt.

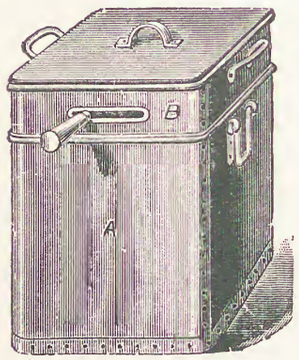
No. **4648.** Square.



Sashweights made to special sizes and weights, and Wheels fitted to order.

PATENT WROUGHT IRON GALVANIZED COMBINATION SANITARY DUST BINS & CINDER SIFTERS.

SQUARE PATTERN.

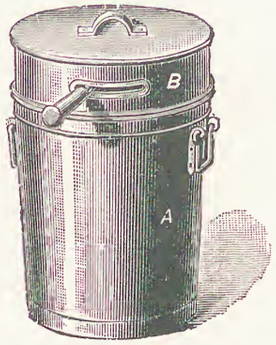


No. 4649.

Prices, complete,

Sizes.				each.
12 ins.	square,	16 ins.	high,	**15/6**
14 ,,		18 ,,		**20/6**
16 ,,		20 ,,		**26/-**
17 ,,		22 ,,		**30/-**
18 ,,		24 ,,		**32/-**

ROUND PATTERN.



No. 4650.

Prices, complete,

Sizes.				each.
16 ins.	dia.,	20 ins.	deep,	**21/9**
16 ,,		27 ,,		**27/6**
17 ,,		22 ,,		**24/9**
18 ,,		24 ,,		**26/-**
18 ,,		30 ,,		**32/3**



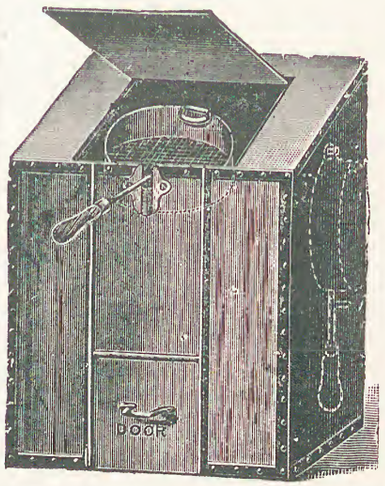
No. 4651. Round Pattern.

Prices, complete.

Sizes.				each.
12 ins.	dia.,	14 ins.	high,	**9/3**
14 ,,		16 ,,		**12/6**
16 ,,		20 ,,		**15/6**
16 ,,		27 ,,		**21/-**
17 ,,		22 ,,		**18/6**
18 ,,		24 ,,		**20/-**

No. 4652. Square Pattern.

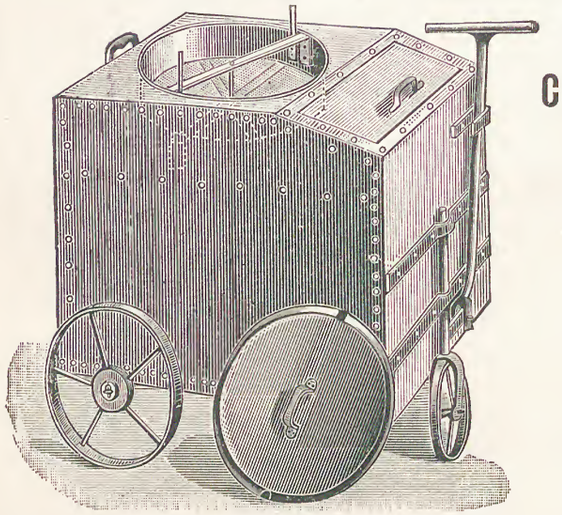
12 ins.	square,	12 ins.	high,	**13/-**
14 ,,		16 ,,		**16/-**
16 ,,		20 ,,		**20/-**
18 ,,		24 ,,		**26/-**



No. 4653.

Prices, complete,

Width across front. ft.	in.	Depth back to front. ft.	in.	Height Back. ft.	in.	Height Front. ft.	in.	Prices Each.
1	4	1	4	2	6	2	3	**26/-**
1	6	1	6	3	0	2	9	**28/-**
1	8	1	5	2	10	2	6	**31/-**
2	0	1	8	3	1	2	10	**37/6**
2	3	1	8	3	1	2	10	**43/9**
2	6	1	8	3	1	2	10	**50/-**

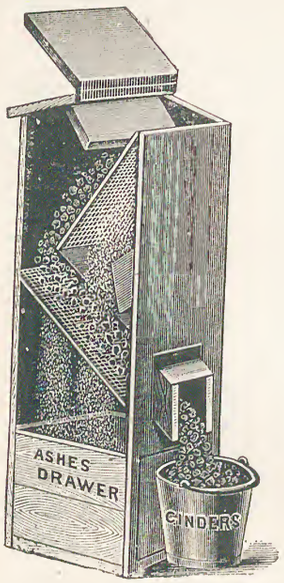


COMBINATION GALVANIZED IRON CINDER BIN AND SIFTER.

No. 4654.

Length.	Width of Body.	Width overall.	**Price.**
2 ft. 4 ins.	1 ft. 6 ins.	2 ft. 0 ins.	**£4 4 0** each.
2 ,, 8 ,,	1 ,, 9 ,,	2 ,, 6 ,,	**5 16 0** ,,
3 ,, 0 ,,	2 ,, 0 ,,	3 ,, 0 ,,	**7 5 0** ,,

Made of Galvanized Wrought Iron, fitted on Three Wheels, with Draw Handle, including Sifter and Cover complete.



AUTOMATIC DUSTLESS CINDER-SIFTER.

No. 4655.

This Sifter has the advantage of combining the following qualities:—

1st. It is perfectly automatic in action. Open flap at top, empty contents of scuttle or ash-pan into Sifter, when the cinders will immediately fall into a box or scuttle in front, and the ashes into an enclosed drawer at bottom.—*See engraving.*

2nd. The cinders are THOROUGHLY SCREENED, having TO PASS OVER TWO RIDDLES.

3rd. It is practically dustless.

4th. It will sift a great quantity in a little time. Will wear a lifetime.

5th. It occupies very little room (17 ins. × 14 ins. at bottom).

6th. It is well made, and painted twice. The riddles are galvanized, cannot rust or get out of repair. It soon repays ORIGINAL COST by saving fuel, as in a general way one-sixth of every ton of coal is wasted. NO OTHER SIFTER combines these qualities.

Price—26/9 **No. 4656.** Special large size, **43/3**

This Sifter can now be applied in combination with any ordinary Earth Closet Apparatus, and forms the most perfect Automatic Cinder Screening Closet in the world.

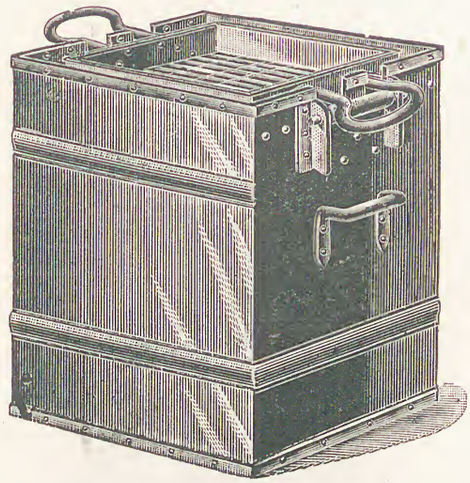
DUST BINS.



No. 4658.—Galvanized Sheet Steel.

ROUND.

Dia. × Depth.		No. 4657. Light.	4658. Medium.	4659. Strong.
15 ins.	18 ins.	6/-	6/9	10/- each.
16 ,,	20 ,,	6/3	7/6	11/- ,,
17 ,,	22 ,,	6/9	8/6	12/- ,,
18 ,,	24 ,,	7/6	9/3	13/- ,,
21 ,,	27 ,,	—	11/9	16/- ,,
24 ,,	30 ,,	—	13/6	18/- ,,

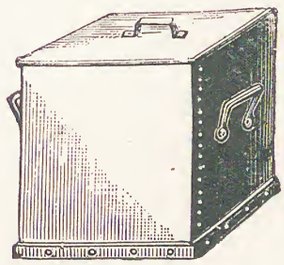


THE "UNIVERSAL" ECONOMISER AND SANITARY DUST BIN.

No. 4660.—Galvanized after made.

18 × 15 × 22 high, capacity 2	bushels	..	..	21/- each.
19 × 16 × 24 ,,	,,	2½ ,,	..	.. 22/9 ,,
20 × 17 × 26 ,,	,,	3 ,,	..	.. 25/9 ,,

Will hold above quantities of Ash exclusive of Sifters.
Price includes Bin, Sifter, and very strong Cover.
Sifter works easy and smoothly on Rollers as shown.
Large and special sizes for Hospitals and Institutions, made to order.

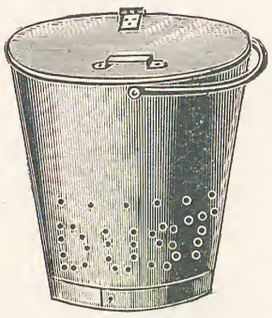


No. 4662.—Galvanized Sheet Steel.

SQUARE.

Sq. × Depth.		Nos. 4661. Light.	4662. Medium.	4663. Strong.
12 ins.	12 ins.	5/3	6/9	8/6 each.
14 ,,	16 ,,	6/9	8/6	10/3 ,,
16 ,,	20 ,,	8/9	10/9	12/6 ,,
18 ,,	24 ,,	10/9	13/3	15/- ,,
20 ,,	28 ,,	13/3	15/-	17/- ,,

THE "MODEL DWELLING" DUST PAIL.



No. 4664.

Round, with Hinged Lid and Bail Handle.

Perforated Holes as shown.

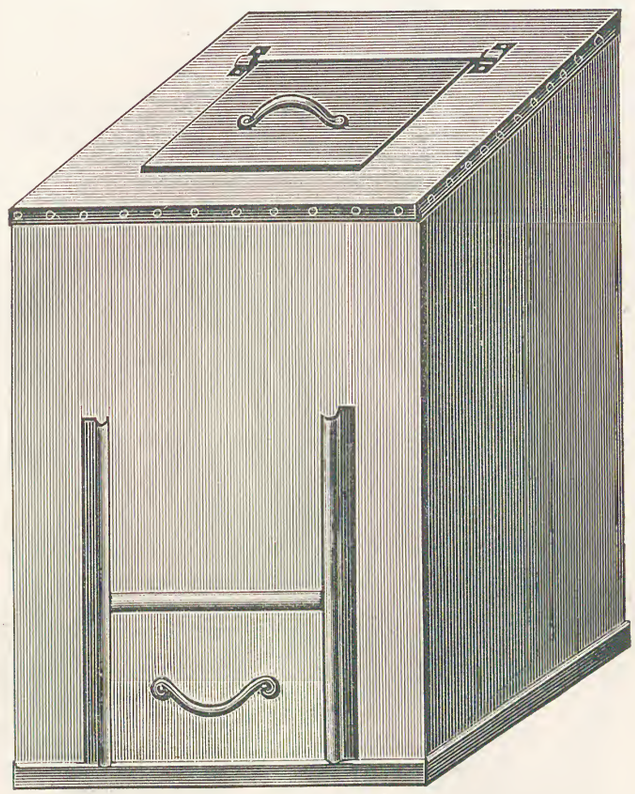
Diameter at top, 14 ins., tapering to 11 ins. at bottom.

Height, 18 ins.

Galvanized Iron.

Price, **64**/- per dozen.

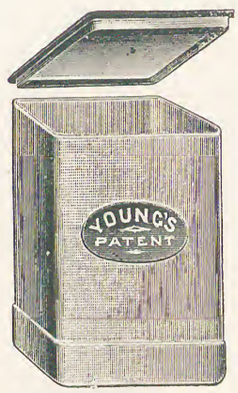
IMPROVED SANITARY DUST BINS.



Galvanized Sheet Steel.
Fitted with Hinged Cover at Top and Sliding Front Door.
Strongly Made and Galvanized.

Length.	Width.	Height at Back.	Height at Front.	No. 4665. Price.	No. 4666. Price. Strong.
16 in.	× 16 in.	× 30 in.	× 27 in.	.. 11/6 each.	.. 18/6 each.
18 ,,	× 18 ,,	× 36 ,,	× 33 ,,	.. 15/3 ,,	.. 24/6 ,,
22 ,,	× 20 ,,	× 36 ,,	× 33 ,,	.. 17/9 ,,	.. 26/3 ,,
24 ,,	× 19 ,,	× 36 ,,	× 33 ,,	.. 22/3 ,,	.. 28/3 ,,
23 ,,	× 23 ,,	× 36 ,,	× 33 ,,	.. 23/- ,,	.. 32/- ,,
27 ,,	× 21 ,,	× 36 ,,	× 33 ,,	.. 24/6 ,,	.. 32/6 ,,
24 ,,	× 24 ,,	× 36 ,,	× 33 ,,	.. 26/- ,,	.. 32/9 ,,
30 ,,	× 24 ,,	× 36 ,,	× 33 ,,	.. 27/6 ,,	.. 35/6 ,,

YOUNG'S PATENT HYGIENIC STEEL BIN.



No. 4667.—Galvanized.

(Without internal Corners or Crevices).

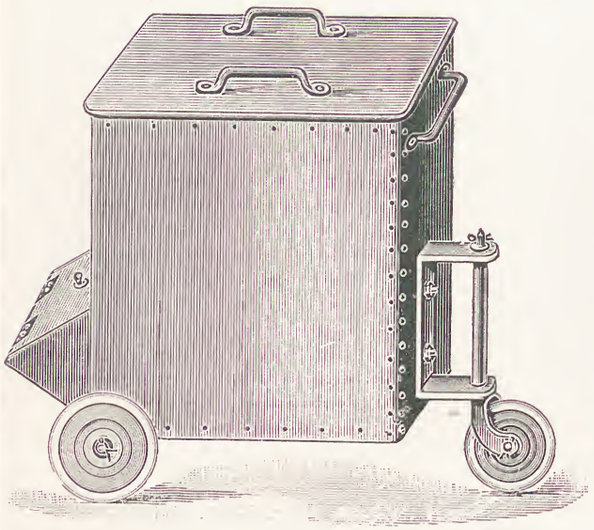
Sizes. Square.	High.	Price, with Loose Lid.	Trolley Stands.
11 ins.	× 16 ins.	7/6 each.	3/9 extra
13½ ,,	× 22 ,,	12/9 ,,	4/- ,,
16 ,,	× 26 ,,	20/- ,,	4/- ,,
16 ,,	× 30 ,,	21/3 ,,	4/- ,,
21 ,,	× 35 ,,	33/3 ,,	6/- ,,

If with pair of Handles, **3**/- each extra.

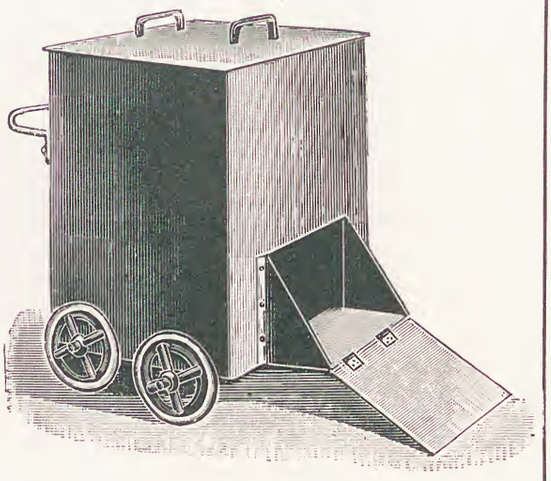
For Drawing of Trolley Stands, see page 615, **No. 4671.**

JAPANNED IRON COAL BUNKERS
(GRAINED OAK).

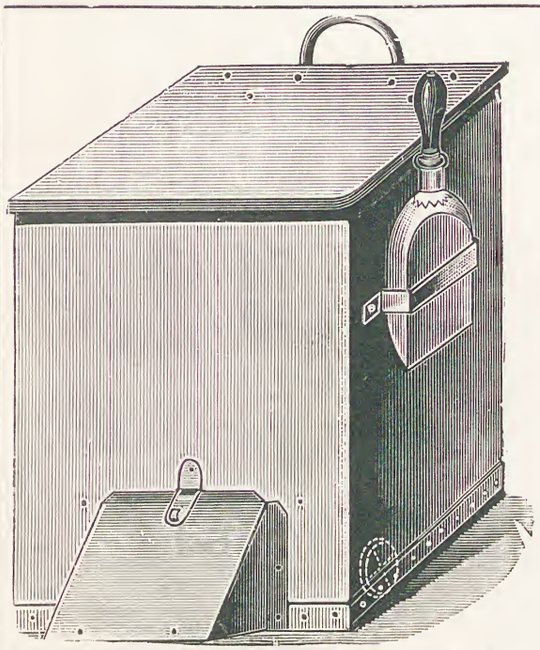
India-rubber Tyred Wheels. Capacity, 2 cwt .



No. 4668. Either Pattern **90**/- each. **No. 4669.**



IMPROVED COAL BOX.



No. 4672.

Fitted on Four Wheels, for easy removal.

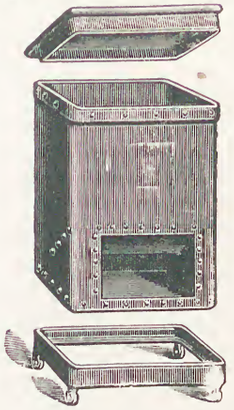
Galvanized after made.

To hold 1 2 cwt. coals.

Price 17/9 21/6 each.

Suitable for Model Dwellings, Flats, Offices, &c.

YOUNG'S COAL BIN.



No. 4670.

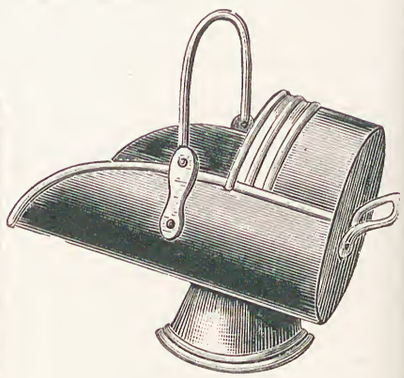
To hold	Japanned Black.	Japanned Oak.	Galvanized.
½ cwt...	**16/9**	**18/-**	**20/9**
1 „ ..	**22/9**	**24/9**	**27/3**
2 „ ..	**33/3**	**36/-**	**39/3**

each.

No. 4671.

Trolley Stands extra.

½ cwt. 1 cwt. 2 cwt.
4/6 **5/-** **6/-** each.

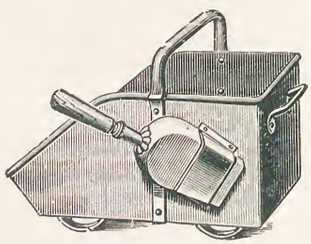


No. 4673.

Strong Coal Scoop.

Sizes, ins.—	14	15	16	17	18
Japanned	**2/3**	**2/6**	**2/9**	**3/-**	**3/3**
Galvanized	**2/6**	**2/9**	**3/-**	**3/3**	**3/6**

each.

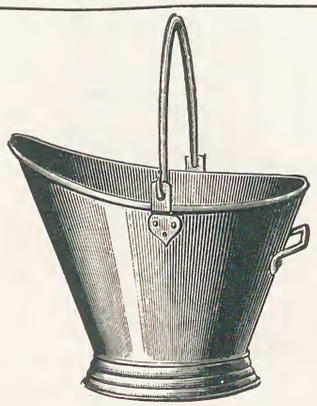


No 4674. Coal Box.

Sizes	15	16	17 ins.
Galvanized	**4/3**	**4/9**	**5/6**
Japanned	**3/6**	**4/-**	**4/6**

each.

Strong Make, complete with Scoop.

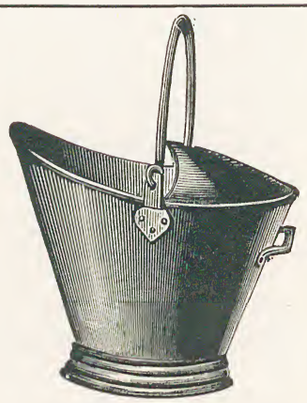


No. 4675.

"Waterloo" Coal Scoop.

Sizes, ins —	14	15	16	17	18
Japanned	**2/3**	**2/6**	**2/9**	**3/-**	**3/3**
Galvanized	**2/6**	**2/9**	**3/-**	**3/3**	**3/6**
Zinc Lined	—	**5/3**	**5/9**	**6/3**	**6/9**

each.

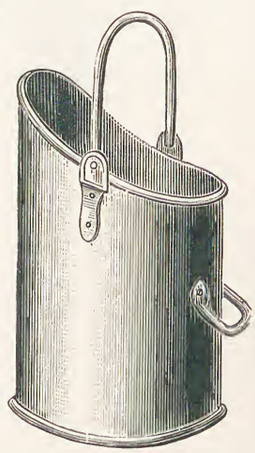


No. 4676.

Japanned Half-covered "Waterloo" Scoop.

Sizes, ins.—	14	15	16	17	18
Best Black Japanned	**3/-**	**3/3**	**3/6**	**4/3**	**4/6**
Zinc Lined	**5/-**	**5/3**	**5/6**	**6/3**	**6/6**

each.



No. 4677. Coal Hood.

Sizes, ins.—	14	15	16	17	18
Japanned	**2/3**	**2/6**	**2/9**	**3/-**	**3/3**
Galvanized	**2/6**	**2/9**	**3/-**	**3/3**	**3/6**
Zinc Lined	—	**5/3**	**5/9**	**6/3**	**6/9**

each.

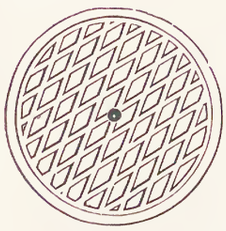
COAL VAULT PLATES.



No. **4678**.
With Ring fitted in for Chain to secure same and with deep Flange.

	12	14 in.
No. **4678**. Open	**1/9**	**2/3**
„ **4679**. Closed	**2/3**	**2/6**

each.



No. **4680**.

Solid Pattern, 12 in.

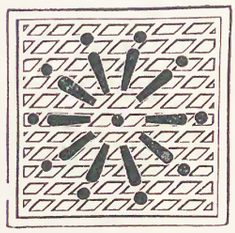
2/- each.



No. **4681**.

Illuminated Pattern with four Glass Discs.

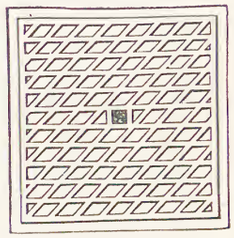
12 in.	14 in.
4/3 each.	**5/-** each.



No. **4682**.

Open Pattern, 12 in.

2/2 each.



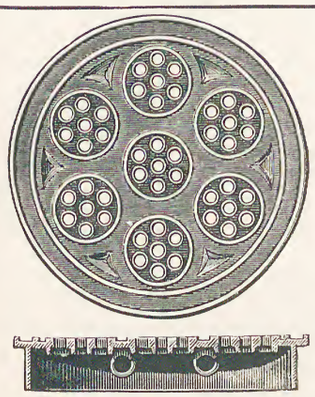
No. **4683**.

Solid Pattern, 12 in.

2/3 each.

Frames to suit all above. Nos. **4686** and **4687**.

Square Frames for above No. **4684**, **3/3** each

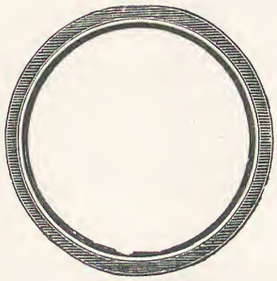


No. **4685**.
Strong Pattern, made Solid or with Ventilating Holes as drawn

12	14	16	18 ins.
2/-	**2/9**	**3/3**	**4/-** each

Frames to Suit No. **4686**

FRAMES.

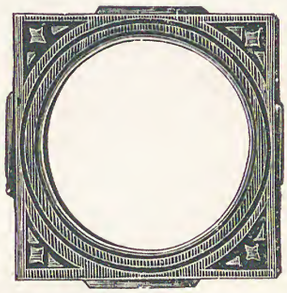


Enlarged Section.



No. **4686**.
Round.

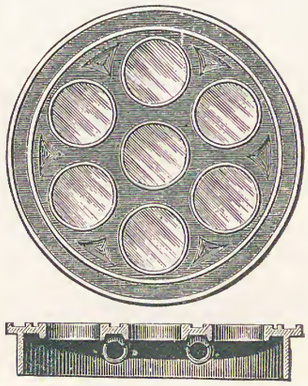
12	14	16	18 ins.
1/9	**2/-**	**2/6**	**3/6** each



No. **4687**.

Square.

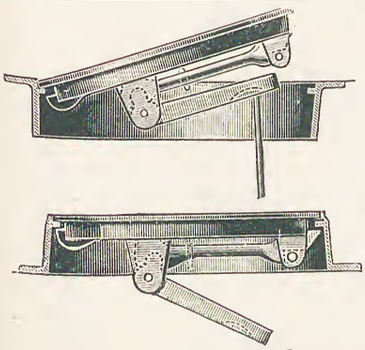
12	14	16 ins.
2/-	**2/6**	**3/-** each



No. **4688**.
Strong, Illuminated.

Sizes 12	14	16	18 in.
Lights 4	5	7	7
5/6	**6/6**	**9/6**	**10/6** each

Frames to suit, No. **4686**.



With Ring for Stone, unlocked.

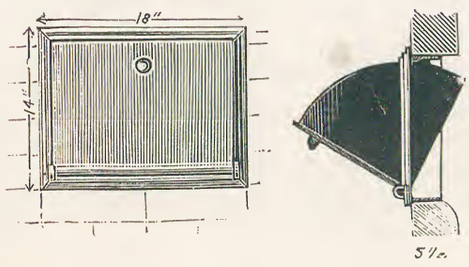
With Ring for Asphalte, Locked.

No. **4689**
HAYWARD'S SELF-LOCKING "NON-SLIP" COAL PLATE.

Sizes ..	12	14	16 in.
No. **4689** Solid	**9/-**	**11/3**	**24/9** ea.
„ **4690** Ventilating ..	**9/9**	**12/-**	**25/9** „
„ **4691** Illuminating ..	**14/3**	**18/-**	**33/3** „
„ **4692** Rings for Stone..	**2/3**	**3/9**	**5/3** „
„ **4693** Rings for Asphalte	**3/9**	**5/3**	**6/9** „

Can supply much cheaper than above in another make (not Hayward's).

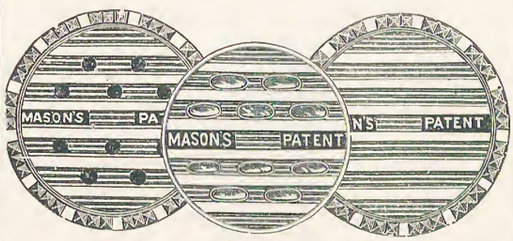
COAL OR CINDER SHOOT.



No. **4694**

Coal or Cinder Shoot.

Plain	**16,6** each
Galvanized	**25/6** „



Ventilated Illuminated Solid

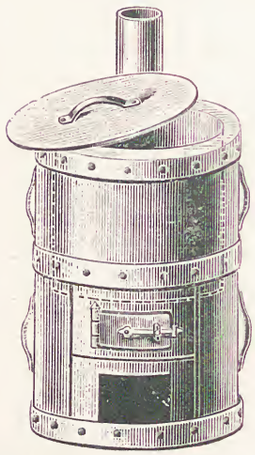
White represents Lead.

MASON'S PATENT WEAR-RESISTING AND NON-SLIPPING COAL PLATES AND RIMS.

If Self-locking, **2/6** extra.

Sizes	12	14	16	18	21 in.
No. **4695** Solid	**7/6**	**10/6**	**14/3**	**16/6**	**20/6** ea.
No. **4696** Ventilating ..	**8/6**	**11/3**	**15/-**	**17/3**	**21/3** „
No. **4697** Illuminating .	**12/9**	**14/3**	**19/6**	**25/9**	**29/3** „
No. **4698** Rims for Asphalte or Stone ..	**3/9**	**6,9**	**9/-**	**12/9**	**18/-** „

PITCH AND TAR BOILERS.

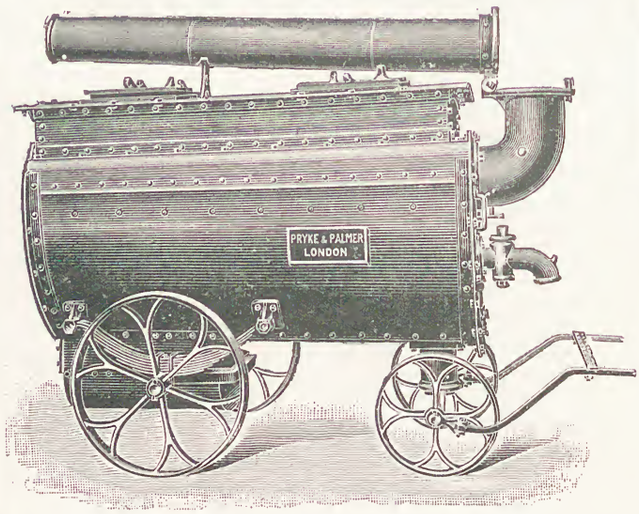


No. 4699. Asphalte Cauldron

Capacity of pan	£	s.	d.	
20 gallons	9	7	6	each.
25 ,,	10	0	0	,,
30 ,,	10	12	6	,,
40 ,,	11	11	0	,,
50 ,,	12	10	0	,,
60 ,,	14	2	6	,,
70 ,,	15	6	6	,,
80 ,,	16	12	6	,,
90 ,,	17	16	6	,,
100 ,,	19	0	0	,,

Stirer and Ladle for same, **12/6** to **21/-** extra.

Strong 2 in. Cast Iron Full-way Draw-off Tap can be fitted, **26/6** extra

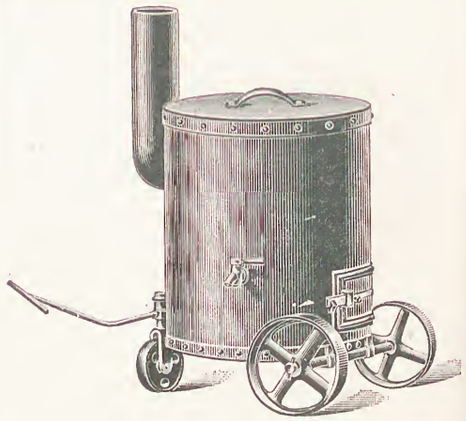


No. 4701. Tar Boiler.

Capacity	80	160	320 gallons.
Mounted on	4	4	4 wheels.
Price,	**£28 10s.**	**£42 10s.**	**£66 10s.** ea.
Mounted on Two Wheelers	**10s.**	**15s.**	**20s.** ea. less

Warranted of equal power to the best hitherto used. Pan sides are practically indestructible, Flues extra large, Chimneys fitted with Dampers, Thoroughly strong and substantial.

All principal parts are constructed of best mild steel.



No. 4700. Asphalte Cauldron.

Capacity of pan	£	s.	d	
20 gallons	11	5	0	each.
25 ,,	12	3	6	,,
30 ,,	12	19	6	,,
40 ,,	14	7	6	,,
50 ,,	15	15	0	,,
60 ,,	17	12	6	,,
70 ,,	19	5	0	,,
80 ,,	20	12	6	,,
90 ,,	22	5	0	,,
100 ,,	23	12	6	,,

Stirer and Ladle for same, **12/6** to **21/-** extra.

Strong 2 in. Cast Iron Full-way Draw-off Tap can be fitted as shown, **26/6** extra.

EARTH RAMMERS.



No. 4702.

Sizes 10 12 14 16 18 lb. each.
1/6 **1/9** **2/-** **2/3** **2/6** each.

PAVEMENT GUTTERS.



No. 4703.

Heavy Cast Iron, 4 ins. deep, 4 ins. wide, **2/3** per ft. Nozzles to suit, **3/3** each.
If required with Nozzle for down pipe, please give size of pipe.

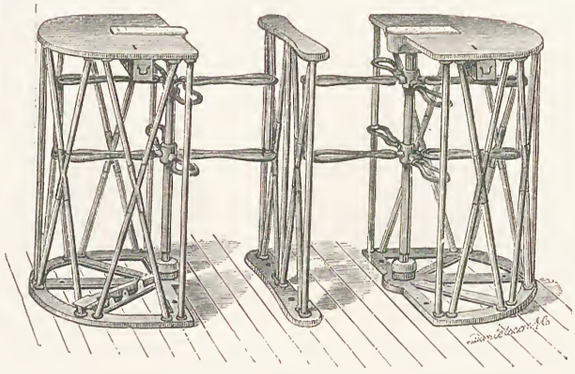
ROAD STAKES.



No. 4704. Wrought Iron Contractors Road Stakes.

No. 4704. Round Iron, **3/-** each.
No. 4705. Flat Iron, **4/6** each.

TURNSTILES.



No. 4706. Latest Improved Patent Registering Turnstiles.

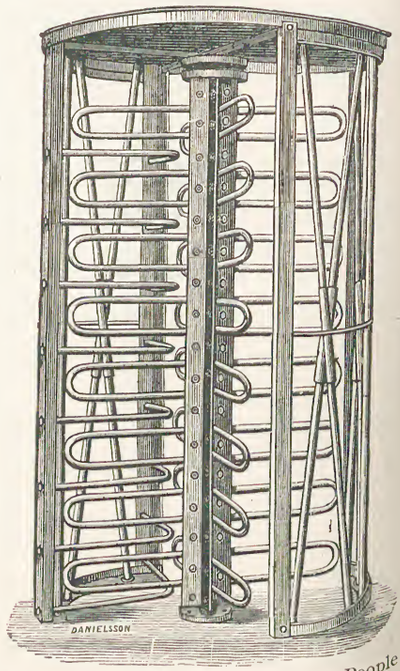
Without Cash Drawer ..	**£13 15s. 0d.** each.
Non-registering Do. ..	**£9 10s. 0d.** ,,
Middle Rails	**£1 13s. 6d.** ,,

If Turnstiles fitted with Cash Drawers **£1 5s.** each extra.

No. 4707. Latest Improved Exit Gate Drawing and Details as shown | **£58.** each.

Terms for Hire of above sent on receipt of requirements.

No. 4707. EXIT GATE TURNSTILE
7 feet high and 6 feet in diameter.

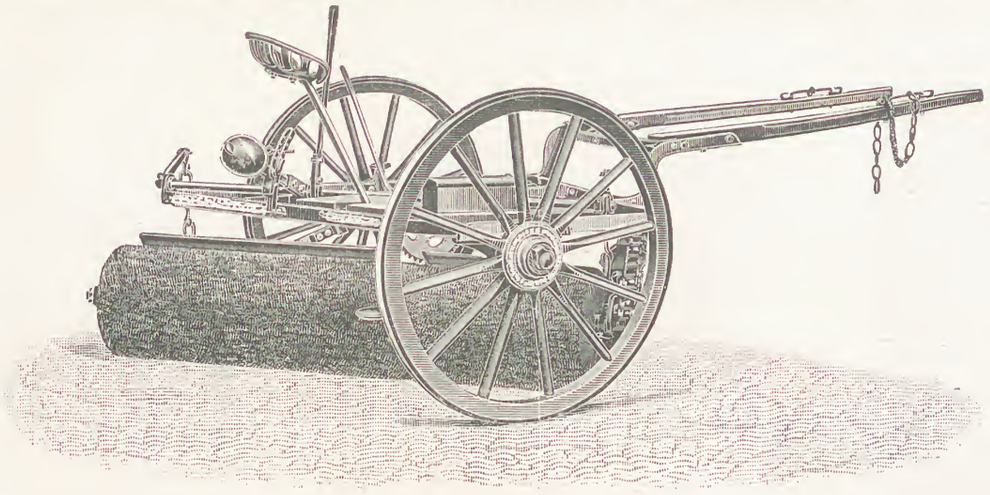


Requires No Attendant. Allowing People to leave the Grounds and prevents re-entrance Can be made to register if desired.

IMPROVED ROAD SWEEPING MACHINE.

Price,
With all recent Improvements,
£42 10 0 each.

Will Sweep a width of 6 ft. 6 ins.



Price,
Machine Brushes,
£6 5 0 per set.

Weight, 11½ cwt.

No. 4703.

In this Machine, we have succeeded in producing a light draught Sweeper, of simple construction, which can be easily managed, and is well within the power of one Horse.

The Frame is made of strong angle steel; the Spindles, Mud Guard, &c, are also of steel, and all the parts are designed with a view to lightness combined with strength.

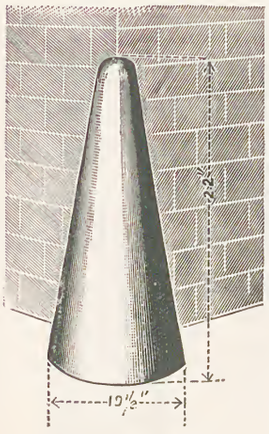
The Wheels and Shafts are of well-seasoned timber, and the latter are arranged so as to be easily detached if required, when space for storage is limited.

The Brush is mounted on a square steel spindle, with ball bearings, thus greatly reducing the wear and tear, and is perfectly free to rise and fall, adapting itself easily to the surface of the roadway.

A Lever is provided for raising and lowering the Brush, and one for putting the clutch in and out of gear, both being placed within convenient reach of the Driver.

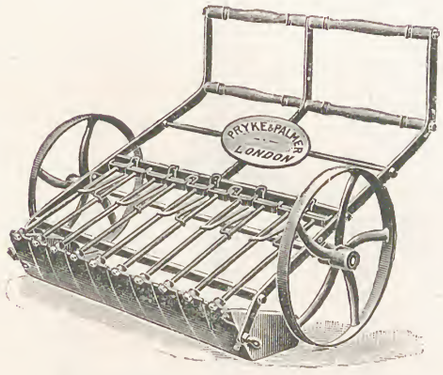
The Machine is nicely balanced, very little weight being on the horse's back, and runs easily and smoothly.

WALL GUARD.



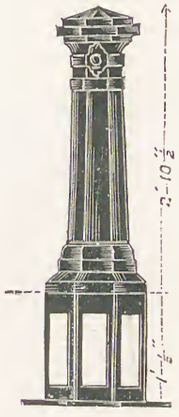
No. 4709.
Corner Wall Guard, with lugs for fixing to wall.
Price, 11/9 each.
22 ins. high, 10½ diameter at base.

IMPROVED HAND ROAD SCRAPER.



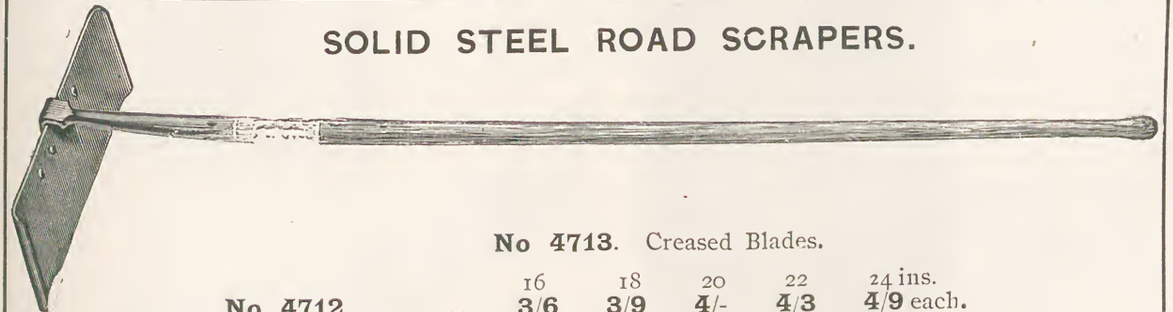
No. 4710. To scrape 40 ins.
Very easy to Work, Light and Strong, Mounted on Strong Wheels, Adjustable, Weight only 140 lb. complete.
Price, £5 0 0 each.

GUARD POST.



No. 4711.
Guard Post.
Octagonal, as shown.
34½ ins. high above ground.
46/9 each.

SOLID STEEL ROAD SCRAPERS.



No 4713. Creased Blades.

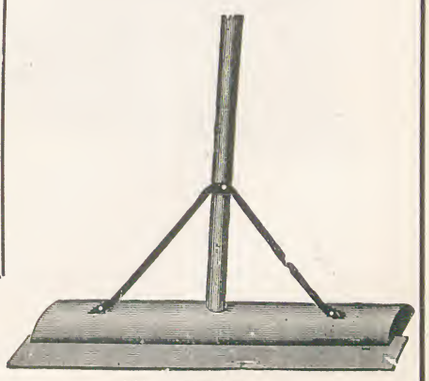
		16	18	20	22	24 ins.
No. 4712.	..	**3/6**	**3/9**	**4/-**	**4/3**	**4/9** each.
,, **4713.**	Handled	**4/6**	**4/9**	**5/3**	**5/6**	**6/-** ,,

SQUEEGEE.

No. 4714. Squeegees. Without Handles.

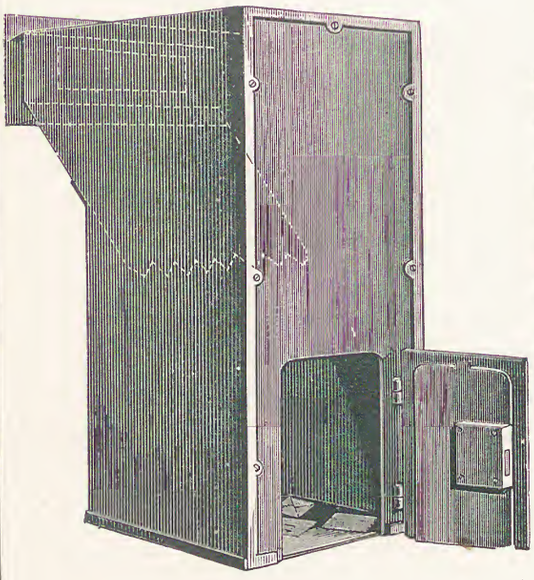
Sizes, 12	14	16	18	20	22	24	26	28	30	32	34	36 ins.
2/-	**2/3**	**2/9**	**3/-**	**3/6**	**3/9**	**4/3**	**4/6**	**5/-**	**5/3**	**5/6**	**5/9**	**6/6** each.

With Handles and Stays, **2/-** each extra.
Rubbers only .. .. **3/-** per lb.

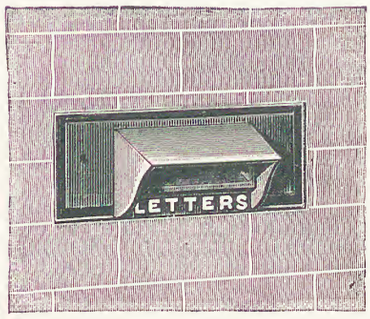


No. 4714.
With Handle and Stays.

CAST-IRON LETTER BOX



To build in.



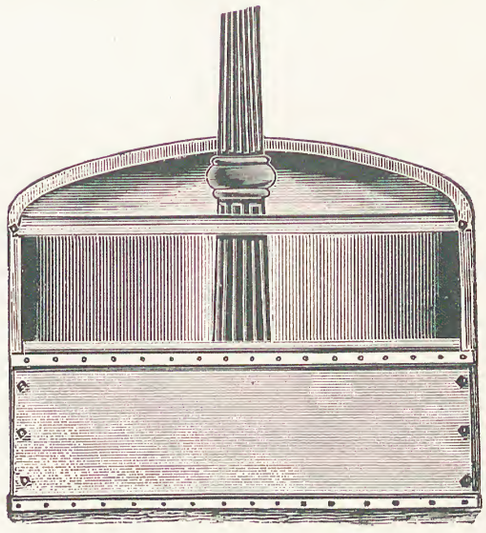
No. 4715.
Size 14×14×16 inches.
For a 14 in. Wall.

Price, complete with Lock and Key.. .. **£10 10 0** each.

STREET ORDERLY BINS.

For Sand, Ballast, or Road Sweepings.

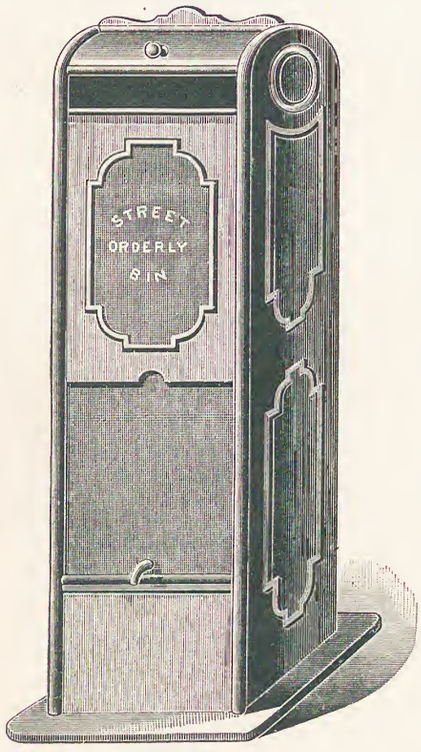
Showing Bin fixed around Lamp-post.



No. 4716. Galvanized Sheet Steel.
6 ft. long, 3 ft. high, depth back to front at centre, 2 ft.
Price £3 16 6 each.
Any Special Size or Shaped Bin to order.

STREET ORDERLY BIN.

With Sand Box at back, to contain Sand for greasy roads or during frosts.



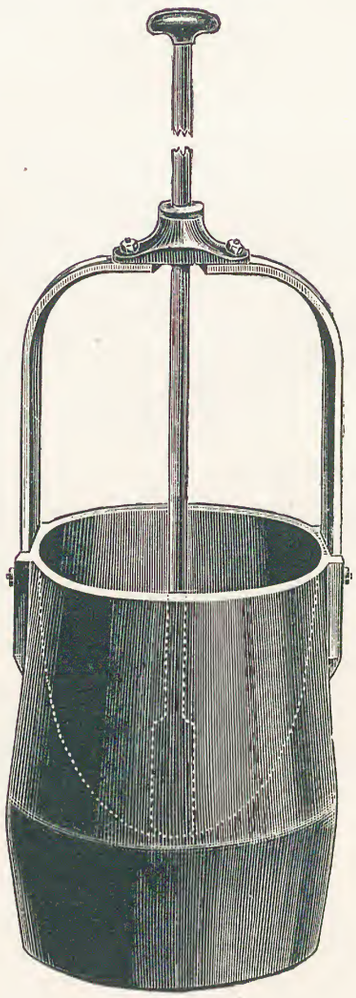
No. 4717.
Sizes 4 ft. 6 in.×1 ft. 7 in.×1 ft. 1 in.
£5 9 0 each.

Sizes 4 ft. 6 in.×2 ft. 3 in.×1 ft. 6 in.
£7 12 0 each.

Sizes 4 ft.×3 ft.×3 ft. 6 in.
£11 each.

Large quantities have been supplied to City of London and many Provincial towns.

Massive Iron Stone Pounder.

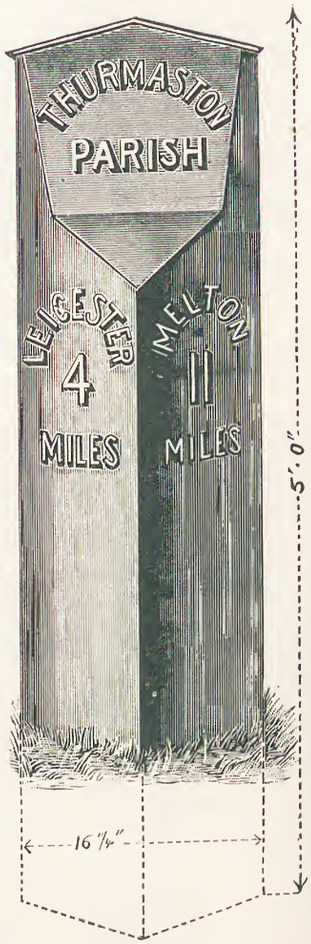


No. 4718.

Very suitable for use in Casual Wards, &c.

Price 63/- each.

MILE IRONS.

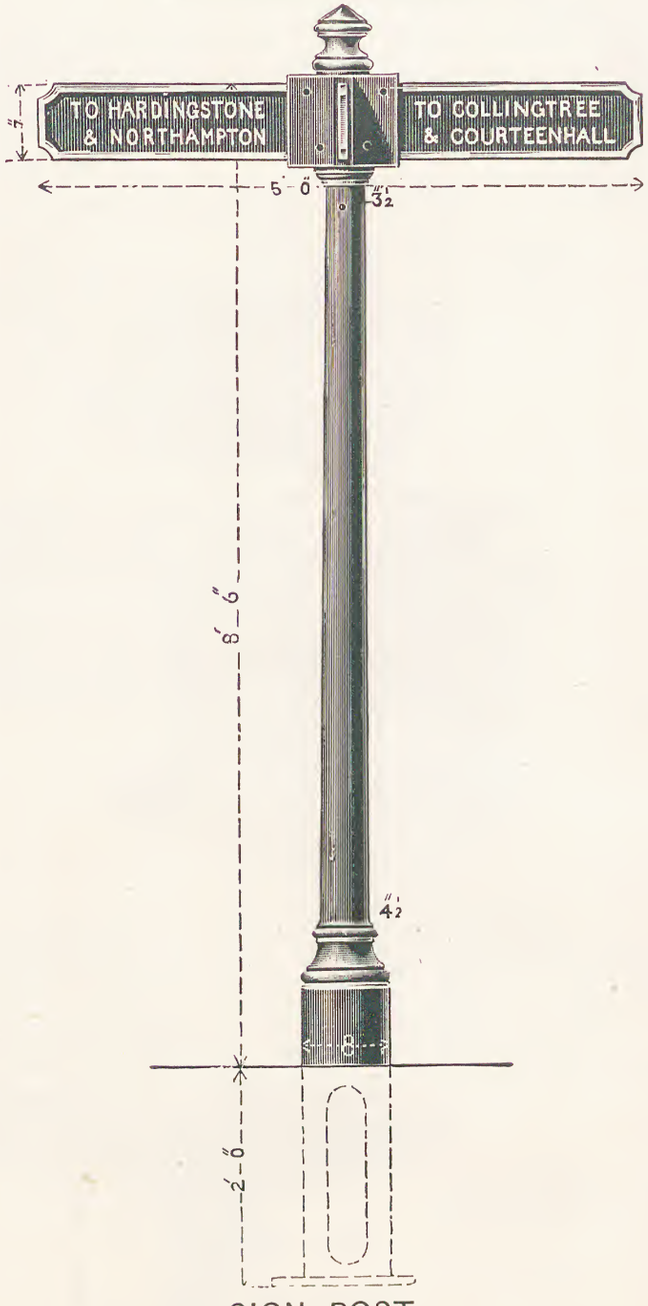


No. 4719.

Strong Cast-iron. Lettered to order.

33/6 each

CAST IRON SIGN POST, LOOSE ARMS.



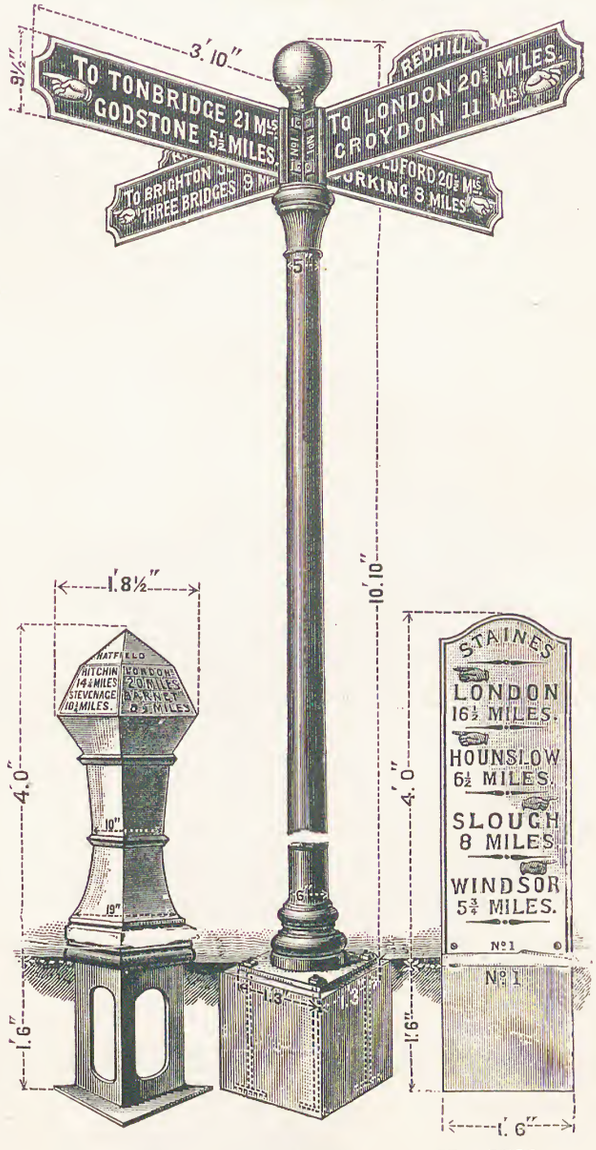
SIGN POST.

No. **4720**.—Painted.

Two.	Three.	Four Arms.
73/6	**80/-**	**86/6** each.

Including the names of places cast on both sides of Arms.

ROAD DIRECTION AND MILE POSTS.



No. 4721. **No. 4722.** **No. 4723.**

ROAD MILE POSTS.

4723.	With names and distances cast on with raised letters ..	**44/6** each.
4721.	,, ,, ,,	**55/6** ,,
4721.	If with Back fitted on	**13/6** extra.

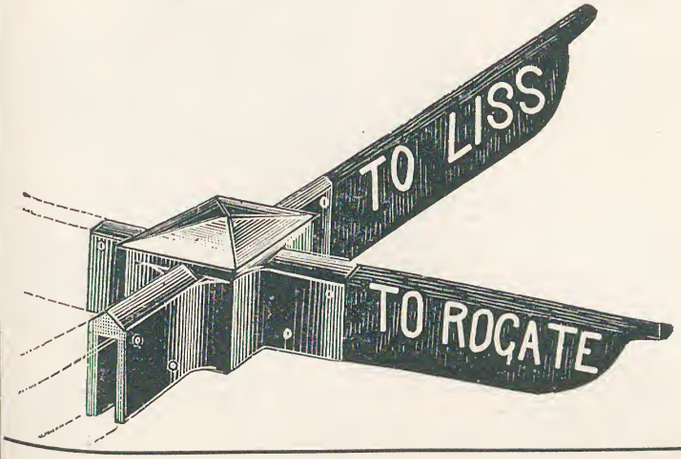
ROAD DIRECTION POSTS.—No. 4722.

Posts with Head fitted	**60/-** each.
Arms with Strips to any angle	**9/3** ,,
3 in. Letters and Figures (Raised)	**2d.** ,,
2⅜ in. ,, ,, ,, ...	**1d.** ,,

Hyphens, Commas, and Stops (half of above). Fractions (one and half of above).

T Bolts and Nuts for Base (to concrete), 16 ins. long, **4/6** per set.

All Painted Chocolate, Black and White.



No. 4724.

IMPROVED CAST IRON SIGN POST CAP.

Acting as a Top to Wood Post, preventing rot and decay, and firmly securing wooden direction plates.

Price, 5/- each.

Useful for topping old posts.

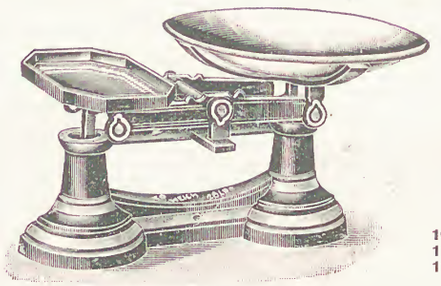
SCALES AND WEIGHING MACHINES.

No. 4725.

These Machines are adapted for Export, Domestic and other purposes,

Neatly Japanned Black and Bronze.

4	7	14	28	56	84	112	lb. to weigh.
4/-	4/3	5/3	7/3	9/6	15/3	21/-	With Round Concave Tin Scale.
4/6	5/-	5/9	7/9	9/9	15/9	21/6	,, ,, Tinned Copper Scale.
5/-	5/3	6/-	8/-	10/-	17/-	22/9	,, ,, Iron Enamelled ,,
4/6	5/-	5/9	7/9	9/9	15/9	21/6	With Oblong Tin Scale.
6/-	6/3	7/3	9/3	12/3	18/6	24/3	,, Tinned Copper Scale.
6/-	6/3	7/3	9/3	12/3	18/6	24/3	,, Brass Scale.
6/3	7/-	8/-	10/3	12/6	19/6	25/3	,, Iron Enamelled ,,



No. 4726.

Strong, serviceable, and accurate Counter Machine, suitable for all trade purposes.

Made according to the Board of Trade Regulations.

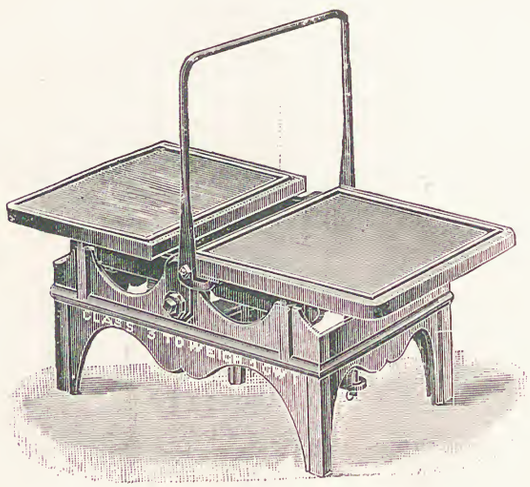
Knife Edges, Bearings, and all working parts of Hardened Steel.

For use in any retail trade for Greengrocers, Hucksters, Market and other purposes. Neatly Japanned Black, Gilt and Bronze.

4	7	14	28	56	84	112	lb. to weigh.
	8	9	10	11	13	15	ins. diam. of Round Goods Scale.
10/-	10/3	12/6	16/-	19/3	24/9	29/3	With Round Concave Tin Scale.
11/-	11/3	13/3	16/9	20/-	25/6	30/3	,, ,, Tinned Copper ,,
11/-	11/3	13/3	16/9	20/-	25/6	30/3	,, ,, Iron Enamelled ,,

METAL PLUGGED FOR STAMPING. STAMPING EXTRA.

Scales can be supplied in any pattern to suit any trade.



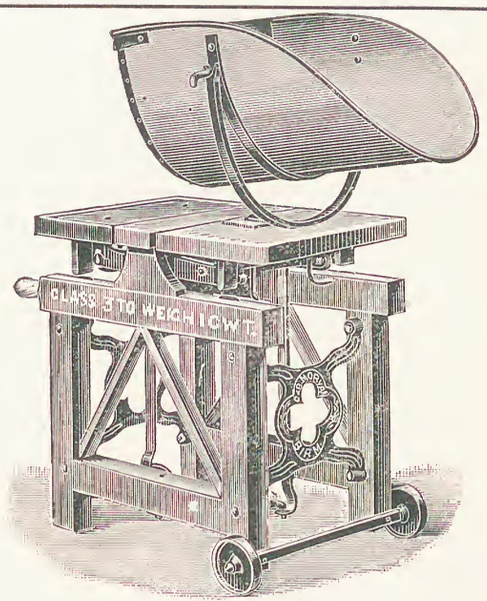
No. 4727. Portable Dead-weight Coal Weighing Machine.

For Van, Yard and General Purposes. For Weighing Baskets of Fish, Potatoes, Fruit, Bags of Coal, &c.

With Cast Iron Frame, Beam and Scale Plates; Forged Fittings, Knife Edges and Bearings of Hardened Steel, in every particular to meet the requirements issued by the Board of Trade. Wrought Iron Folding Sack Rail. Japanned Black.

to weigh. 1		2 cwt.
14 × 13	...	16 × 15 ins. diam. of Goods Platform.
37/6	...	**43/9**

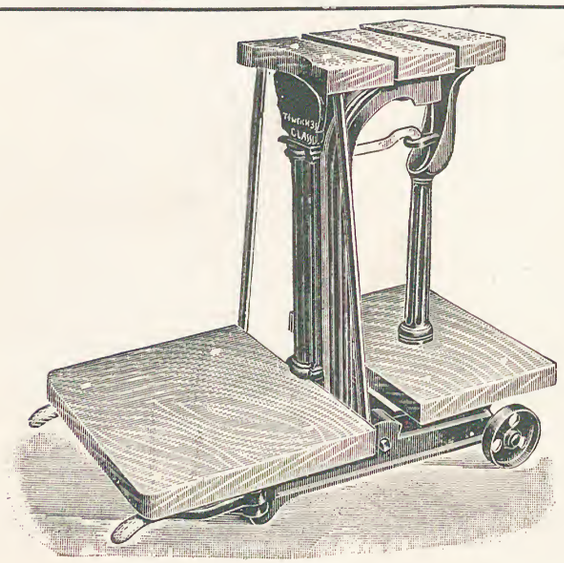
Metal Plugged for Stamping. Stamping Extra.



No. 4728. Dead-weight Coal Weighing Machine.
For General Use in Coal Yards to weigh loose coals. Scoop to Swivel.
Wood Frame, Beam and Weight Scale of Cast Iron, Knife Edges and Bearings. All working parts of Hardened Steel, in every particular to meet requirements issued by the Board of Trade.

to weigh. 1		2 cwt.	
No. 4728.	**81/9** ...	**93/3**	With two wheels, Japanned Iron Scoop.
,, **4729.**	**87/6** ...	**99/-**	,, ,, Galvanized ,,
,, **4730.**	**85/3** ...	**96/6**	Without ,, ,, ,,
,, **4731.**	**79/3** ...	**90/9**	,, ,, Japanned ,,

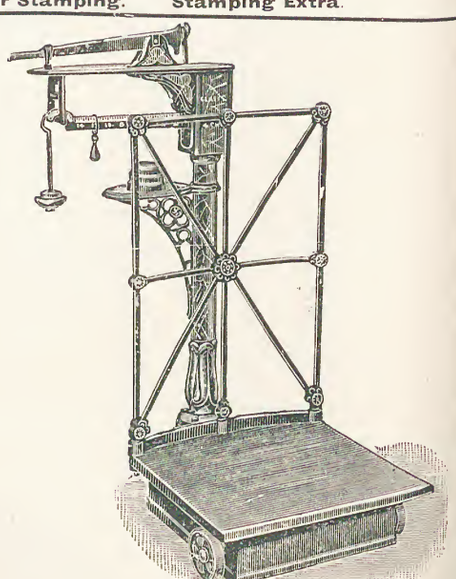
Metal Plugged for Stamping. Stamping Extra.



No. 4732. Dead-weight Sack Weighing Machine.
For Millers, Farmers, Potato Dealers, and general purposes.
Frame, Beam and Pillars of Cast Iron. Knife Edges and Bearings of Hardened Steel. Wood or Iron Scales. All working parts of Hardened Steel to Board of Trade Regulations.

to weigh. 3	4	5 cwt.	
	20×15½	21×16½	24×18 inch size of Goods Scale.
No. 4732.	**48/6**	**61/-**	**84/-** Wood Scales.
	34×15½	35×16	38×18 size with the Two Wings extended.
,, **4733.**	**59/9**	**72/6**	**101/3** With Two Wrought Iron Folding Wings for weighing bales of wool, cotton, hops, &c.
,, **4734.**	**69/-**	—	— Light Iron Scales.
,, **4735.**	**74/9**	—	— Strong Iron Scales.

Metal Plugged for Stamping. Stamping Extra.



Strong and Heavy Portable Platform Weighing Machine, with Back Rail for Weighing Sacks.

These are adapted for use in Warehouse, Wharf, Yard or Stores.

Made of all Cast Iron, with Hardened Steel Knife Edges and Bearings to Board of Trade Regulations.

Fitted with relieving apparatus to prevent the wear of centres when loading or when out of use.

Neatly Japanned Black and Marbled, Nickel-plated Beam.

No. 4736. Platform Weighing Machine.

to weigh. 3	4	5	7	10	12	15	20 cwt.	
	23×20	25×20	26×23	20×26	30×30	32×32	36×34	38×36 inch.
No. 4736.	**102/-**	**116/6**	**133/-**	**174/-**	**198/-**	**223/-**	**244/9**	**290/-**
	38×20	41×20	43×23	51×26	59×30	63×32	66×34	68×36 size with Two Wings extended.
,, **4737.**	**118/9**	**132/-**	**148/9**	**196/9**	**237/6**	**260/-**	**292/9**	**332/9** With Wrought Iron Folding Wings, with Chains for weighing Bulky Packages.

3, 4, 5 and 7 mounted on two wheels, larger sizes on four wheels.

Metal Plugged for Stamping. Stamping Extra.

Stamping Fees for Weighing Instruments ... 1 lb. and under **6d.** each. | 56 lb. to 1 cwt. **3/-** ea.
,, ,, ,, ... 1 to 14 lb. **10d.** ,, | 1 to 5 cwt. **4/6** ,,
,, ,, ,, ... 14 to 56 lb. **1/6** ,, | 5 cwt. to 1 ton **6/-** ,,

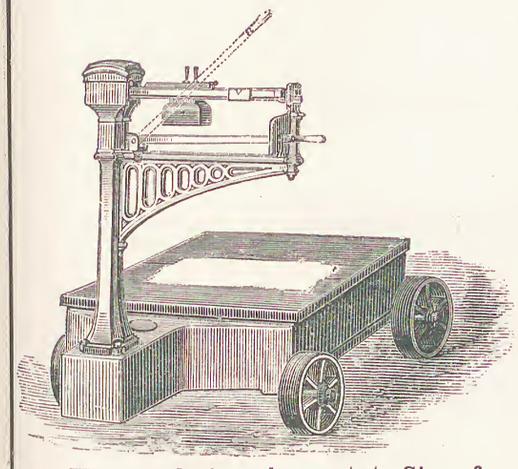
No. 4738. Solid Flat Polished Brass Weights.
1, 2, 4 lb. down to ¼ oz.
5/6 9/9 18/3 per set Stamped.

No. 4739. Blacked Iron Ring Weights, Plugged & Stamped

1	2	4	7	14	28 lb.
Each, **10d.**	**1/-**	**1/6**	**2/-**	**3/-**	**5/6**

HART'S PATENT WEIGHING MACHINES

WITHOUT LOOSE WEIGHTS.



When ordering please state Size of Platform and Amount to Weigh.

To Weigh	Size of Platform	Each	To Weigh	Size of Platform	Each
cwt.	inches	£ s. d.	cwt.	inches	£ s. d.
3¼	19 by 19	9 19 6	21	53 by 34	32 15 0
4¼	19 ,, 19	11 8 0	31	53 ,, 39	38 10 0
6¼	25 ,, 25	14 5 0	41	40 ,, 43	39 17 6
10¼	28 ,, 29	17 9 0	51	43 ,, 43	51 5 0
12¼	30 ,, 29	18 17 0	61	47 ,, 50	58 8 6
17	31 ,, 34	24 4 6	61	58 ,, 50	66 5 0
21	31 ,, 34	26 7 0	81	50 ,, 56	73 7 6
25	36 ,, 38	29 4 0	101	50 ,, 56	79 16 0
31	39 ,, 38	32 1 0	101	63 ,, 63	85 10 0

For Wheels on Machines.	3¼ 4¼	6¼	10¼	17 21	25 31 cwt.
Per set extra	20/-	25/6	30/-	37/-	42/6

	41	51	61	81	101 cwt.
Per set extra	50/-	64/-	71/-	85/-	107/6

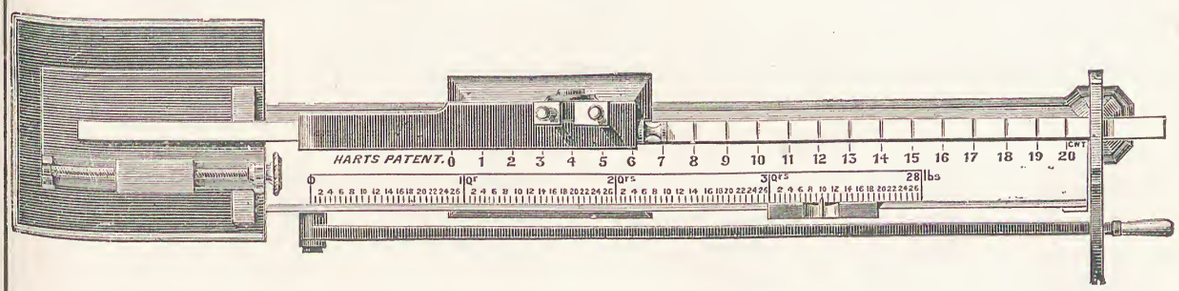
No. 4740.

With Oil Retainers to prevent Rust.

RAISED MACHINES.

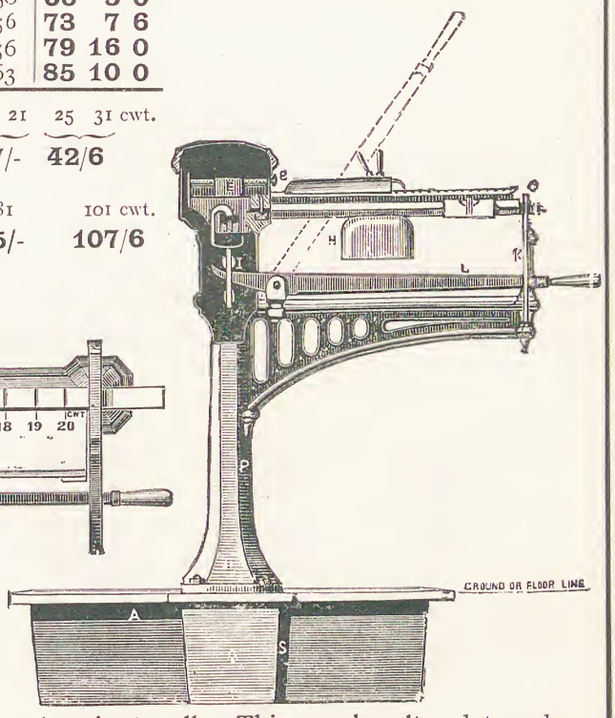
Class D.

Wheels Extra



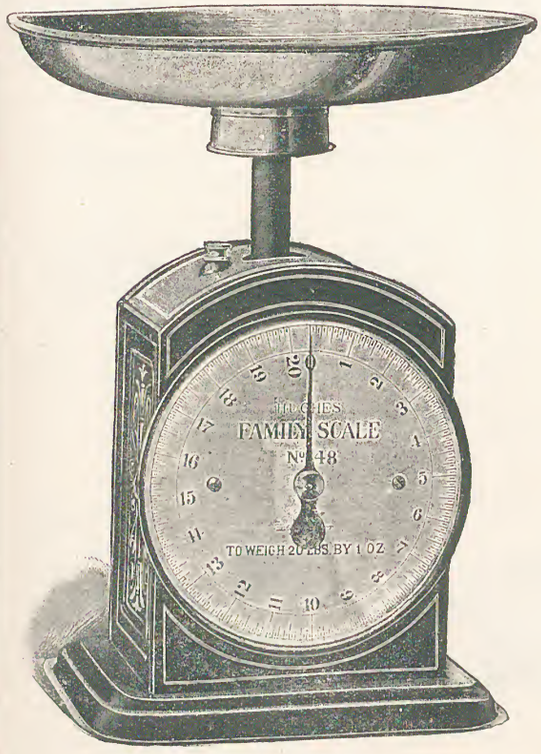
Plan of Steelyard of 21 cwt Machine, showing the manner in which the Weight of Goods is indicated.

The position of the Sliding Weights in the Engraving indicates that the weight on the Platform of the Machine is 7 cwt. 3 qrs. 10 lb.



All Machines up to 12¼ cwt. inclusive indicate the weight of goods to ¼ lb., above that size to 1 lb. This can be altered to order. At a small extra cost the larger Machines can also be made to indicate the weight to ¼ lb., or Machines of any size, large or small, can be made to indicate to an ounce.

HUGHES' FAMILY BALANCE.



No. 4741.

No. 4741, as drawn.

These Balances are fitted with an Adjusting Screw to enable the user to allow for the Tare Weight of any Vessel, &c., used for holding the goods when being weighed.

Finish—Black Japanned Case with Gold Lines.

To Weigh.	No. 4741. Round Scale.	No. 4742. Oblong Scale.
20 lb. × 1 oz., 5 in. White Enamelled Dial	8 in. 5/6	10×7 in. 6/-
28 lb. × 2 oz. ,, ,, ,,	8 in. 6/-	10×7 in. 6/9

each.

No. 4743. Better Quality.

To Weigh.	No. 4743. Round Scale.	No. 4744. Oblong Scale.	No. 4745. Scoop Scale.
7 lb. × ½ oz., 5 in. Dial	8 in. 8/6	10×7 in. 9/-	11 ×8 in. 9/-
14 ,, × 1 ,, 5 ,,	9 ,, 8/6	10×7 ,, 9/-	12½×8½ ,, 9/-
25 ,, × 1 ,, 7¾ ,,	11 ,, 15/-	12×9 ,, 15/6	15 ×10 ,, 15/6
28 ,, × 2 ,, 6½ ,,	10 ,, 10/-	11×8 ,, 10/6	14 ×9 ,, 10/6
50 ,, × 2 ,, 7¾ ,,	12 ,, 16/-	13×9½ ,, 16/6	16½×11 ,, 16/6

each.

With either Brass or Enamelled Dials.

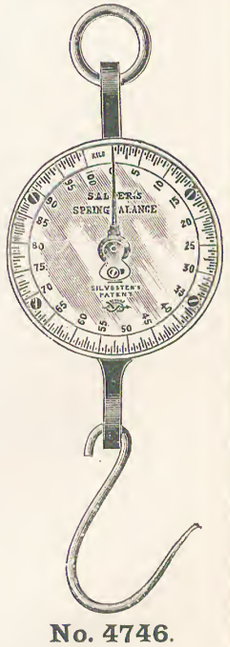
If fitted with White Enamelled Iron Scales, either Round or Oblong, **1/6** each extra.

If fitted with China Dial, extra price is— 5 in., **2/6**, 6½ in., **3/-**, and 7¾ in., **3/6**.

No. 4746. Circular as drawn.

To Weigh.	Diameter of Dial.	No. 4746. With Hook only.	No. 4747. With Tinned Scales and Chains.
50 lb. × ¼ lb.	5 in.	14/- each	11 in. Scales 16/6 each.
56 ,, × ¼ ,,	6 ,,	16/6 ,,	12 ,, 20/- ,,
100 ,, × ¼ ,,	10 ,,	35/- ,,	14 ,, 39/- ,,
100 ,, × ½ ,,	5 ,,	14/- ,,	14 ,, 18/- ,,
112 ,, × ½ ,,	6 ,,	16/6 ,,	16 ,, 23/- ,,
150 ,, × ½ ,,	8 ,,	23/- ,,	18 ,, 37/6 ,,
200 ,, × ½ ,,	10 ,,	35/- ,,	18 ,, 49/- ,,
250 ,, × ½ ,,	13 ,,	47/- ,,	24 ,, 70/- ,,

PATENT CIRCULAR BALANCE.



No. 4746.

Estimates submitted for Spring Balances of any kind upon receipt of Particulars.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

HOT WATER PIPES AND CONNECTIONS.

FOR PRICES SEE NEXT PAGE.

HOT-WATER PIPES.

No. **4748**



SPIGOT PIPE.

,, **4749**



TROUGH PIPE.

,, **4750**



REDUCING PIECES.

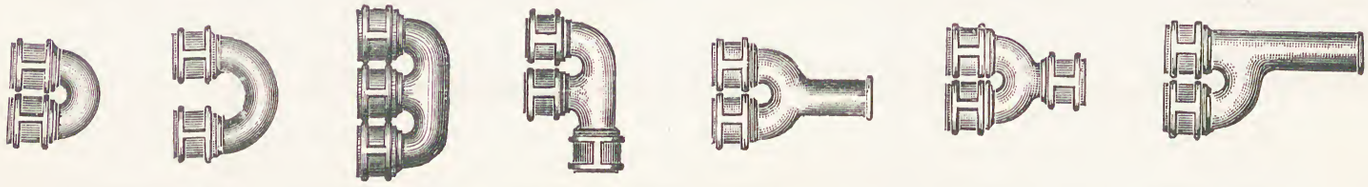
No. **4751** No. **4752** No. **4753** No. **4754**



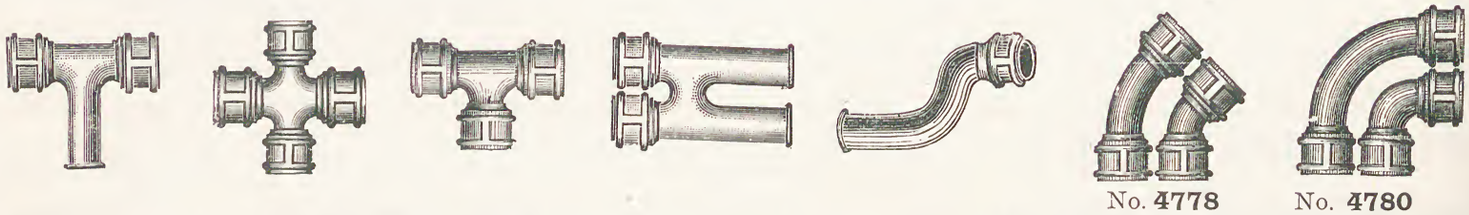
Diminishing Socket No. **4755** Union Socket No. **4757** Blank Socket No. **4758**



Close Syphon No. **4759** Open Syphon No. **4763** 3-way Syphon No. **4760** Elbow Syphon No. **4764** Outlet Syphon No **4767** Outlet Syphon No **4768** Branch Syphon. No. **4769**



S. S. "T" Piece No. **4770** Cross Pipe No. **4771** Equal Tee No. **4772** H Piece No. **4773** Common Offset No. **4774** to **4777** ⅛ in. Circle Elbows No. **4779** Double Socket Elbow No. **4781**



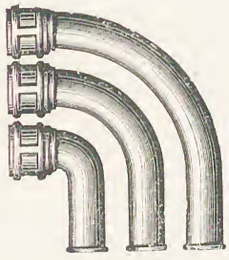
No. **4778** No. **4780**

COMMON ELBOW.

No. **4784**

„ **4783**

„ **4782**



DIAPHRAGM VALVES FOR PRESSURE.

No. **4785** No. **4786**



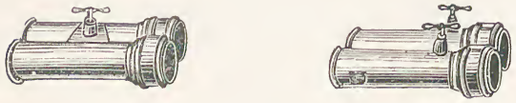
THROTTLE VALVES.

No. **4787** No. **4788**



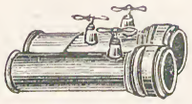
"H" THROTTLE VALVES.

No. **4789** No. **4790**



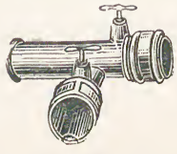
"H" THROTTLE VALVE.

No. **4791**



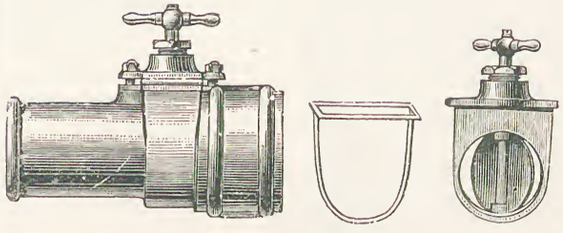
"T" THROTTLE VALVE.

No. **4792**



PATENT THROTTLE VALVE.

No. **4793**.



No. **4793**. SOCKET AND SPIGOT. or No. **4794**. DOUBLE SOCKET.

With interchangeable working parts, which can be removed in two minutes by simply reversing the Brass Nuts.

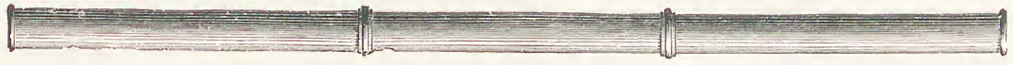
HOT WATER PIPES AND CONNECTIONS.

DELIVERED PRICES GIVEN FOR LARGE QUANTITIES ON RECEIPT OF SPECIFICATION.

No. 4748.—HOT WATER PIPE.



No. 4749.—SPIGOT PIPE.



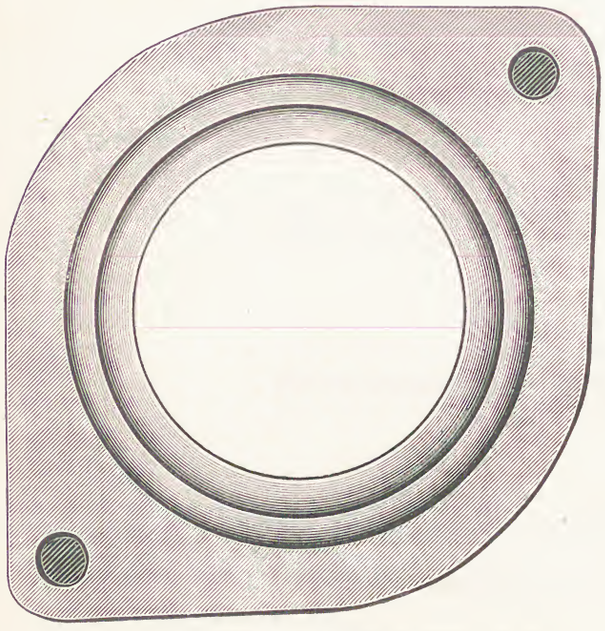
No. 4750.—TROUGH PIPE.



Nos.				2 in.	3 in.	4 in.
4748	Hot Water Pipes, 6 or 9 ft. lengths .. (2 in. in 6 ft. lengths only) ..	per yard		1/5	2/1	2/6
4749	,, Coil or Spigot Pipes	,,		1/5	2/1	2/6
4750	,, Trough Pipes	,,		—	8/3	10/-
4751	Reducing Pieces, 4 to 3 in.	2/3	each.	—	—	—
4752	,, ,, 4 to 2 in.	1/10	,,	—	—	—
4753	,, ,, 4 to 3 in.	2/6	,,	—	—	—
4754	,, ,, 4 to 2 in.	2/3	,,	—	—	—
4755	Diminishing Socket, 4 to 3 in.	3/-	,,	—	—	—
4756	,, ,, 4 to 2 in.	2/-	,,	—	—	—
4757	Union Socket	..	..	1/4	2/-	2/7
4758	Blank ,, ...	..	,,	10d.	1/4	1/8
4759	Close Syphon, 2 way	..	,,	1/10	2/10	4/-
4760	,, 3 ,, ...	..	,,	3/1	4/4	6/9
4761	,, 4 ,, ...	..	,,	4/6	6/-	9/3
4762	,, 5 ,, ...	..	,,	6/-	8/-	11/3
4763	Open Syphon, 2 ,, ...	..	,,	2/2	3/2	4/6
4764	Elbow Syphon, Socket Outlet, 2 way	..	,,	3/-	4/6	5/9
4765	,, ,, 3 ,, ...	..	,,	3/4	6/3	8/-
4766	,, ,, 4 ,, ...	..	,,	5/-	7/9	9/9
4767	Outlet Syphon Spigot	..	,,	2/6	3/9	5/-
4768	,, Socket	..	,,	2/10	4/-	5/6
4769	Branch Syphon, Spigot Outlet	..	,,	2/9	4/-	5/-
4770	T Piece	..	,,	2/2	3/2	4/6
4771	Cross Piece	..	,,	3/4	5/3	7/3
4772	Equal T Piece	..	,,	2/4	3/3	4/9
4773	H Piece Close	..	,,	3/9	5/3	7/-
4774	Common Offset, 4½ in.	..	,,	2/2	3/4	4/4
4775	,, 7 in.	..	,,	2/4	3/6	4/9
4776	,, 9 in.	..	,,	2/9	4/-	5/-
4777	,, 12 in.	..	,,	3/3	4/6	5/3
4778	⅛ Circle Elbow	..	,,	1/8	2/9	3/4
4779	,, 2nd Radius	..	,,	2/8	3/4	4/4
4780	Double Socket Elbow	..	,,	1/8	2/9	3/9
4781	,, ,, 2nd Radius	..	,,	2/8	3/9	5/3
4782	Common Elbows	..	,,	1/3	2/-	3/-
4783	,, 2nd Radius	..	,,	1/9	3/6	4/9
4784	,, 3rd ,, ...	..	,,	3/6	6/-	7/3
4785	Diaphragm Valves for Pressure, Angle Socket and Spigot	..	,,	13/3	16/9	19/9
4786	,, ,, ,, ,, Double Socket	..	,,	13/3	16/9	19/9
4787	Throttle Valve, Socket and Spigot	..	,,	9/9	12/6	14/9
4788	,, Double Sockets	..	,,	9/9	12/6	14/9
4789	H Throttle Valve, 1 Valve, Close	..	,,	20/6	27/-	31/3
4790	H ,, 2 ,, ...	..	,,	32/3	34/6	36/6
4791	H ,, 3 ,, ...	..	,,	47/6	51/6	64/6
4792	H T ,, 2 Valve	..	,,	30/-	33/3	37/6
4793	Patent Throttle Valve	..	,,	11/3	14/-	16/9
—	Hot Water Rings	..	,,	5d.	7d.	10d.

SPECIAL PRICES GIVEN FOR ORDERS OF £5 VALUE AND UPWARDS.

IMPROVED HOT-WATER PIPES AND CONNECTIONS. With India-Rubber Joints.



No. 4795. HOT-WATER PIPE.



HOT-WATER PIPE WITH TROUGH.



Sections of 4 in. HOT-WATER PIPES WITH TROUGH.



Half full size ELEVATION OF SOCKET of 4 in.
Hot-Water Pipe for India-Rubber Joint.

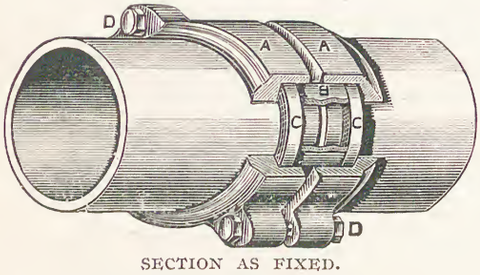
IMPROVED EXPANSION JOINT HOT-WATER PIPES AND CONNECTIONS.

No. 4796.

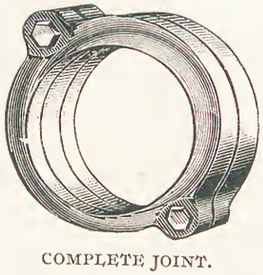




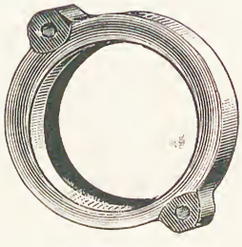
MIDDLE RING.



SECTION AS FIXED.
This Joint consists of Two Loose Flanges, A.A.; One Middle Ring, B.; Two India-Rubber Rings, C.C.; & Two Bolts & Nuts, D.D.



COMPLETE JOINT.



FLANGE.



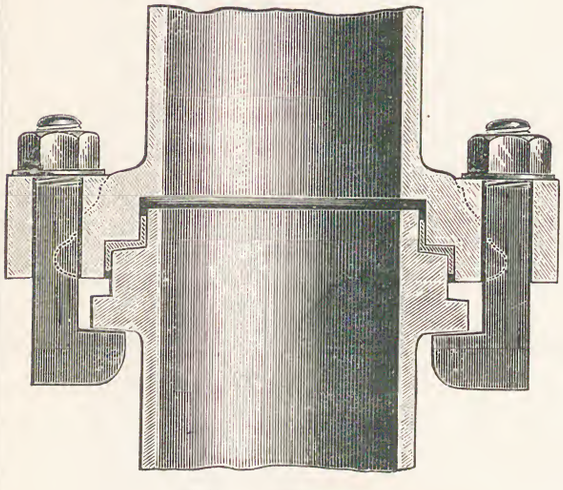
INDIA-RUBBER RING.



BOLT & NUT.

RICHARDSON'S Patent Universal India-Rubber Expansion Joint Hot-Water Pipes & Connections.

No. 4797.



SECTION OF JOINT.



BEND AND STRAIGHT PIPE WITH JOINT MADE.



BLANK CAP



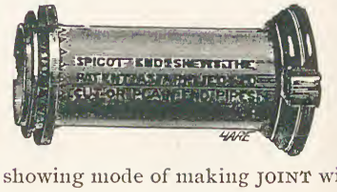
SPLIT SPRING RING



CLIP FLANGE RING



BLANK SPIGOT



Also showing mode of making JOINT with a CUT PIPE.

SEE FOLLOWING PAGE FOR PRICES OF ABOVE PATENT PIPES.

IMPROVED HOT WATER PIPES AND CONNECTIONS.

No. 4795. IMPROVED HOT WATER FLANGED PIPES WITH I.R. JOINTS.

	2	3	4 in.	
Pipes, 2 inch in 6 ft. lengths 3 and 4 inch in 9 ft. lengths	2/-	3/3	4/-	-yard
Pipes with Trough ..	—	7/3	10/9	,,
Elbows	2/10	4/-	4/9	each.
Bends	4/6	6/-	8/6	,,
Close Syphons	3/3	4/6	5/3	,,
Open Syphons	—	6/6	8/9	,,
Side Branches	5/3	7/9	9/6	,,

	2	3	4 in.	
Blank Spigot	1/6	2/-	2/3	each.
Cap	1/6	2/-	2/3	,,
Nipple for connecting Two Sockets	1/-	1/1	1/3	,,
Double Collar ..	2/6	3/-	4/-	,,
Tees	4/-	4/6	5/3	,,
India-rubber Rings ..	7½d.	9½d.	11d.	,,

Bolts and Nuts and Washers, ⅜ in. 10d. ½ in. 7d. ⅝ in. 6d. per lb.

All other fittings can be supplied. Complete list sent on application.

No. 4796. IMPROVED EXPANSION JOINT HOT WATER PIPES.

	2	3	4 in.	
Pipes, in 6 and 9 ft. Lengths	1/6	2/3	2/8	yd.
Do. with Trough	—	7/3	9/-	,,
Elbows, ordinary ..	1/4	1/10	2/3	each.
Close Syphons ..	2/-	2/9	3/3	,,
Open Syphons ..	2/3	3/-	4/-	,,
Tee pipe	1/8	2/6	3/-	,,
Branch pipe . ..	2/9	4/-	5/9	,,

	2	3	4 in.	
Double Elbow, Proj. 4½ in.	2/-	3/-	4/3	each.
,, ,, ,, 7 in.	2/3	3/3	4/9	,,
,, ,, ,, 9 in.	2/9	3/9	5/-	,,
Joint complete with Bolts and Rubbers	1/8	2/1	2/6	,,
Collars for Joint ..	5d.	6d.	8d.	,,
Inner Ring for Joint ..	3d.	4d.	5d.	,,
Blank End Joint complete	1/9	2/3	2/9	,,

All other fittings can be supplied. Complete list sent on application.

No. 4797. RICHARDSON'S PATENT "UNIVERSAL" I.R. EXPANSION JOINT HOT WATER PIPES.

	2	3	4 in.	
Pipes, with Spigot and Faucet	2/4	3/2	4/-	yd.
Complete Joint, namely, Rubber Washer and Bolts and Nuts. (No loose parts)	8d.	11d.	1/1	each.
Split Spring Ring Seating Clip Flange Ring for do. for making the Joint in cut pipes	1/1	1/7	2/1	,,
Blank Spigot	10d.	1/2	1/6	,,
Blank Cap	1/2	1/9	2/3	,,
Close Syphon Double Faucet	2/9	3/6	4/9	,,
Open Syphon ..	3/6	4/3	5/9	,,
Tee Pipe	3/6	4/9	5/6	,,
Branches, Faucet and Spigot	3/6	5/9	7/-	,,

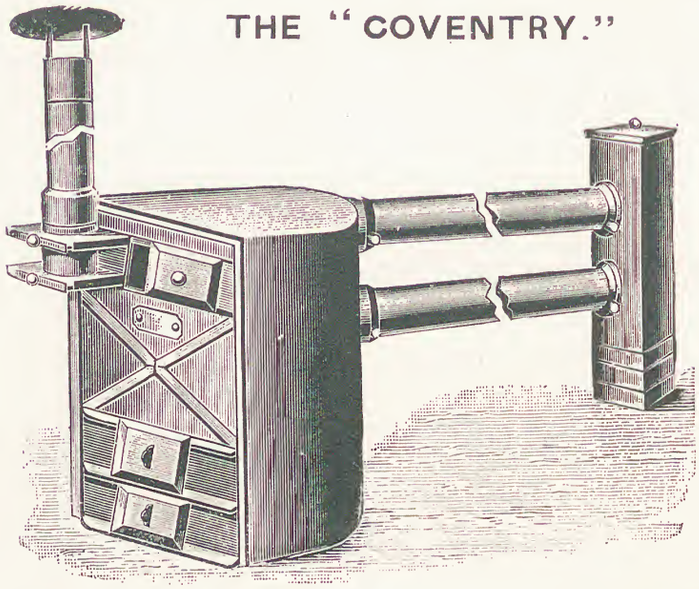
	2	3	4 in.	
Short Double Connector with Bolts and Rings complete for joining two plain ends of pipe	4/-	7/-	9/6	each.
Double Elbows, 4½ in. rise	2/8	3/3	4/6	,,
do. 6 ,,	2/9	3/10	5/6	,,
do. 9 ,,	3/6	4/6	6/3	,,
do. 12 ,,	3/10	5/-	7/-	,,
Faucet & Spigot Bends inside qr.	1/8	2/9	3/6	,,
do. 2nd. Row.	3/2	4/3	5/6	,,
do. 3rd. Row.	4/6	6/9	7/9	,,

All other fittings can be supplied. Complete list sent on application.

See previous page for Drawings of above patent pipes.

HEATING APPARATUS FOR GREENHOUSES.

THE "COVENTRY."



THE "COVENTRY" BOILER STOVE.

No. 4798.

THE "COVENTRY" BOILER STOVE is intended for building into the walls of greenhouses, &c., so that no heat is lost. There is no risk of fire, as it is entirely surrounded by a waterway, and the stoking being done from outside the greenhouse, no fumes enter the house to injure the contents. No bricksetting is required, and not being attached to the freehold is a tenant's fixture. It is fitted with damper complete for 4 in. smoke pipe.

Size 1 Boiler Stove, 24 ins. high × 14 ins. across front.

Price of Stove, with two half Couplings, Rings and Pins, for connecting to pipes, without smoke pipe **£3 4 9**

Size 2 Boiler Stove, 27 ins. high × 16 ins. across the front fitted as above **4 3 3**

One 6 ft. length strong smoke pipe, fitted with Galvanized Conical Cap **0 7 6**

Syphon Box, No 1 .. .. **0 10 3**

Do. do. No. 2 .. .. **0 12 6**

THE "COVENTRY" HEATING APPARATUS. No. 4799.

Suitable for heating houses as under, including Circulating Box, Smoke Pipe and Cap, India-rubber Joint Rings, Bolts and Nuts, with 4 in. Hot-water Pipes, as follows:—

Size 1 Stove, for two pipes, flow and return, to run along front of house—

For house 8 ft. long **£5 7 0**

,, 11 ft. ,, **5 15 3**

,, 14 ft. ,, **6 9 6**

,, 20 ft. ,, **7 0 0**

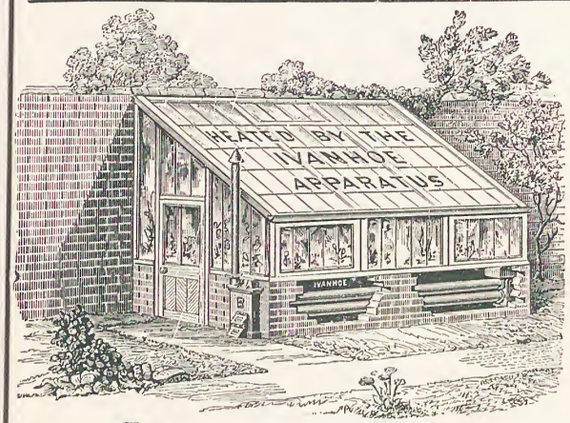
Size 2 Stove, with two pipes, flow and return, to run along front & one end of house—

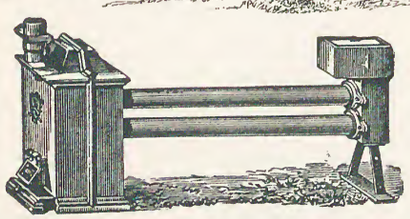
For house 11ft. × 10ft— **£7 11 9**

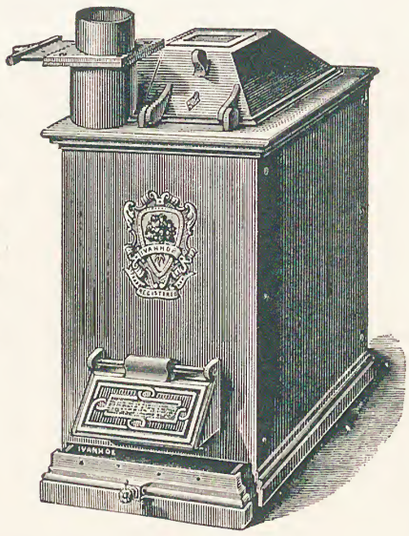
,, 16ft. × 10ft. **9 11 6**

,, 20ft. × 10ft. **10 2 6**

Any gardener can fix it, as the joints of the pipes are put together with India-Rubber Rings, and Bolts and Nuts, and no hot-water fitter is needed.







"IVANHOE" BOILER. No. 4800.

The Boiler occupies 1, 2, or 3 sides of the Casing, according to its power. Outside dimensions of Casing, 30 ins. high, 13 ins. wide, 15 ins. deep from front to back. From floor level to top of Flow Pipe, 24 ins. The interior is lined with fire brick on the sides not occupied by the Boiler, and thus the loss of heat by radiation is reduced to a minimum.

Two Sockets for Cast Iron Pipe are fitted at back, either for 2in., 3 in., or 4 in. with India-rubber Joints and Bolts. A damper is fitted to Smoke outlet, ¾ in. Brass Draw-off Tap to bottom of Boiler at back. All the doors are hinged.

The Boiler is supplied for standing in a potting house, (Nos. 1, 2, 3) or with a projecting flange (Nos 4, 5, 6) for building into wall of Greenhouse; it will go through a 9in. wall and only stand out 5 ins. from the face of the wall. The Feeding, Stoking, and Ashes holes are all on the outside.

PRICE LIST OF BOILERS ONLY.

	Actual Heating Power.	£	s.	d.
Sizes 1 Boiler, Casing as drawn,	36ft. 4ins. 72 ft 2in. Pipe	4	4	0
2 ,, ,, ,,	70 ,, 140 ,,	5	0	0
3 ,, ,, ,,	100 ,, 200 ,,	5	16	9
4 ,, with Flange	36 ,, 72 ,,	4	4	0
5 ,, ,,	70 ,, 140 ,,	5	0	0
6 ,, ,,	100 ,, 200 ,,	5	16	9

The Smoke Pipe can be supplied as shown in engravings. We stock all sizes with Smoke Pipe at left hand, & 4 in. Sockets fitted. Elbow Pipes with India-rubber Jointed Socket complete, 2in. **5/-**, 3in., **6/-**, 4in., **7/6** each extra. A Short Swan Neck to carry the Smoke Pipe 3ins. or 6ins. clear of the side of Greenhouse, **5/-** or **6/-** extra, respectively.

No. 4801.—HEATING APPARATUS consists of an "Ivanhoe" Boiler 4in. Cast Hot-water Pipes with Elastic Joints, an Expansion Cistern & Syphon in one casting. Pipe rests and a Spanner, complete ready for erecting so that any handy man may fit it up for himself in an hour or two.

PRICE LIST OF APPARATUS COMPLETE EXCEPT SMOKE PIPE.

With Size 1 or 4 Boiler.

Total length of Pipe,	£	s.	d.
Size 6x 12 feet	6	6	9
,, 7 18 ,, ...	6	13	3
,, 8 24 ,, ...	7	6	9
,, 8x 30 ,, ...	8	0	0

With Size 2 or 5 Boiler.

Total length of Pipe,	£	s.	d.
Size 9 36 feet	10	0	0
,, 9x 42 ,, ...	10	13	6
,, 10 54 ,, ...	11	6	9
,,, 10x 60 ,, ...	12	0	0
,, 11 66 ,, ...	12	13	6
,, 12 72 ,, ...	13	6	9

Pipes in 6 feet or 9 feet lengths.

These Prices are for straight lengths of Pipe; where they are to be carried round a house, Elbows, with an Elastic Socket included, **7/6** each extra.

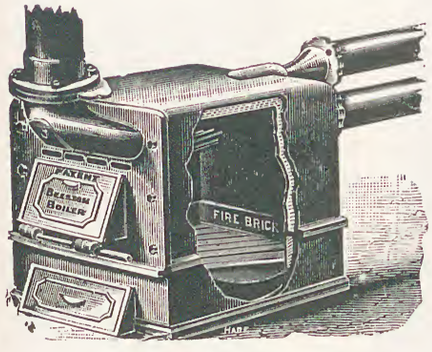
On receipt of a plan, price will be given for complete Apparatus for any size house.

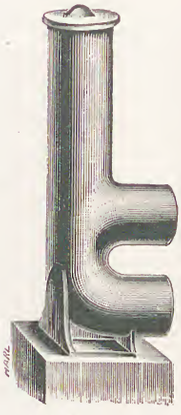
Apparatus for 2in. or 3in. Pipes may be supplied. Prices on application.

Strong Cast Iron Smoke Pipe in 6ft. lengths, **5/-** per yard, including Cowl.

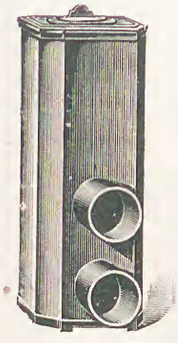
Set of Stoking Tools, **6/-** extra.

THE "BEESTON" BOILER.





"A" Pattern.



"C" Pattern.

No. 4802.

COMPLETE APPARATUS.

Size 1.—Complete Apparatus, including Cast Boiler, two 9 ft. × 4 in. Pipes, End Cistern "A" Pattern, and Joints complete (but no Smoke Pipe) **£5 15 6**

" 2.—Complete Apparatus, same as No. 1, but with four 9 ft. × 4 in. Pipes, and "C" Pattern Cistern **7 7 6**

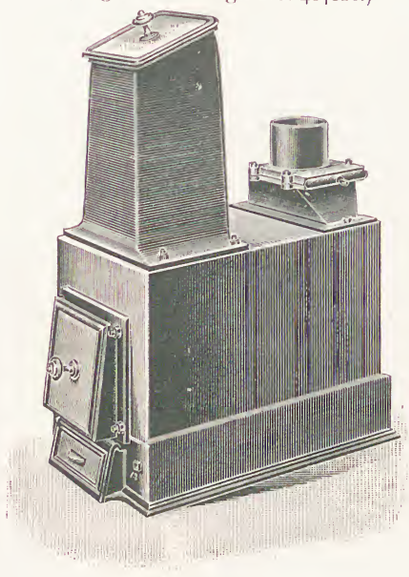
"C" Pattern Cistern can be supplied with No. 1 Apparatus, **7/3** extra.

The above do NOT include Smoke Pipe.

N.B.—A thin layer of Putty or Cement to be placed between Boiler and Stand when fixing. Hard Coal to be used for Fuel.

THE "14 HOURS" BOILER.

(Registered Design No. 404821.)



No. 4803.

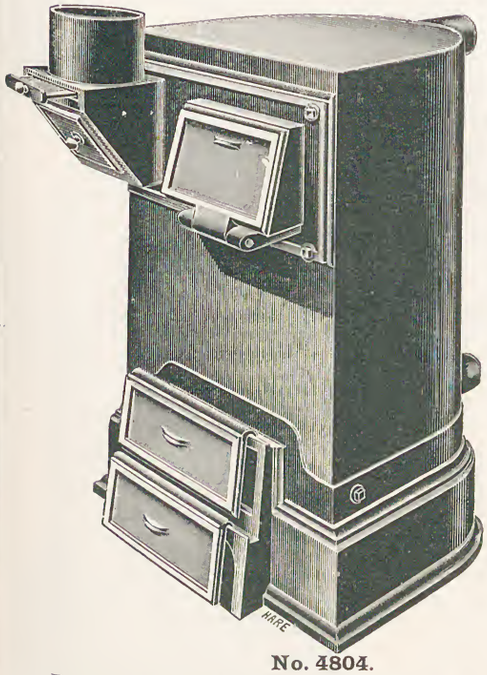
An Improved Amateur Boiler combining in one, the advantages of the "Saddle" type of Boiler with those of the "Vertical" type.

It will easily burn for 14 hours, or longer, without attention.

The Boiler itself is entirely of Wrought Iron and far superior to a Cast Iron Boiler. It will be found economical in fuel and can be strongly recommended where an Independent Boiler for short ranges of pipe is required.

Size of Boiler (exclusive of stand). Long.	Wide.	High.	No. of Cross Tubes	Actual Heating Power in 4-in. pipe.	Outside diameter of Smoke Pipe.	Price $\frac{5}{16}$ in. Plate.
18 in.	× 14 in.	× 14 in.	0	100 ft.	5 in.	**6 3 9**
24 ,,	× 14 ,,	× 14 ,,	0	150 ,,	5 ,,	**6 18 0**
24 ,,	× 14 ,,	× 14 ,,	1	200 ,,	5 ,,	**7 15 0**
24 ,,	× 14 ,,	× 20 ,,	1	300 ,,	6 ,,	**9 15 6**
24 ,,	× 14 ,,	× 20 ,,	2	350 ,,	6 ,,	**10 18 6**

UNLESS OTHERWISE ORDERED BOILER WILL BE FITTED WITH 2-IN PLAIN PIPES AT BACK TO TAKE EXPANSION JOINTS.



No. 4804.

Designed for building into the Brickwork or Masonry of Greenhouse.

The Boiler Front, including Feeder and Smoke Nozzle, with Fire and Ashpit Doors, is outside the building.

The Boiler is All Wrought Iron, except Base, and therefore not subject to cracking through rain or change of temperature.

THE "FINSBURY" or "LONDON" BOILER.

Cheap, Simple and Economical.

No Stokehole required.

Size of Boiler only, exclusive of Stand. H. in.	W. in.	D. in.	Actual power 4-in. pipe.	Outside diam. of Smoke Pipe.	Price $\frac{5}{16}$-in. Plate.	Price $\frac{3}{8}$-in Plate.
			ft.	in.	£ s. d.	£ s. d.
18 ×	12 ×	12	95	4	**4 2 6**	**4 16 3**
21 ×	12 ×	12	110	4	**4 10 6**	**5 4 6**
24 ×	12 ×	12	125	4	**4 19 0**	**5 12 9**
18 ×	14 ×	14	120	4½	**4 19 0**	**5 12 9**
21 ×	14 ×	14	140	4½	**5 10 0**	**6 6 6**
24 ×	14 ×	14	160	4½	**6 1 0**	**6 19 9**
27 ×	14 ×	14	180	4½	**6 12 0**	**7 14 0**
30 ×	14 ×	14	200	4½	**7 3 0**	**8 7 9**
24 ×	16 ×	16	200	5	**7 19 6**	**9 7 0**
30 ×	16 ×	16	245	5	**9 7 0**	**11 0 0**
24 ×	18 ×	18	230	6	**9 1 6**	**10 11 9**
30 ×	18 ×	18	280	6	**10 14 6**	**12 7 6**
36 ×	18 ×	18	330	6	**12 7 6**	**14 8 9**
30 ×	18 ×	20	298	6	**11 2 9**	**12 19 6**
36 ×	18 ×	20	350	6	**12 15 9**	**14 19 9**
30 ×	18 ×	22	315	6	**11 11 0**	**13 12 3**
36 ×	18 ×	22	370	6	**13 4 0**	**15 10 9**
42 ×	18 ×	22	435	6	**15 8 0**	**18 3 0**
24 ×	24 ×	24	330	7	**12 13 0**	**14 14 3**
30 ×	24 ×	24	410	7	**14 17 0**	**17 6 6**
36 ×	24 ×	24	490	7	**17 1 0**	**19 16 0**
42 ×	24 ×	24	570	7	**19 5 0**	**22 11 0**
48 ×	24 ×	24	650	7	**22 0 0**	**25 11 6**

INCLUDING TWO 2-INCH SOCKETS FOR WROUGHT IRON PIPE.

The Smoke Flue in these Boilers may be placed at right or left hand side as required, and is fitted with a Slide Damper.

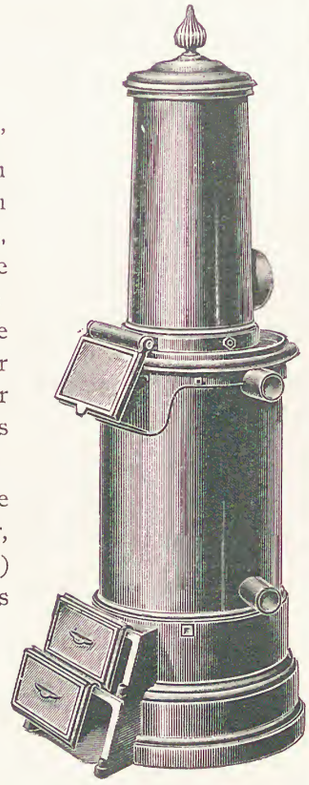
Sockets can be fitted either Right or Left Side if required, when the distance back from front should be stated so that sufficient clearance may be given for the wall of the Greenhouse.

SOCKETS ARE FITTED AT BACK UNLESS SPECIALLY ORDERED OTHERWISE.

IMPROVED "STAR" BOILER.

The improvement in this "Star" Boiler (registered design) consists of an extra door for firing, by means of which it is easier to light and maintain the fire, which can be inspected by opening the door without letting out the smoke With the ordinary "Star" Boiler the smoke comes out into the room whenever the cover is lifted to charge the boiler or otherwise, and the improvement in this respect is very valuable.

When charged with fuel for the night (by partly closing the damper, which is supplied free with each boiler) the fire will last from 12 to 18 hours without attention.



No. 4805. **No. 4806.**

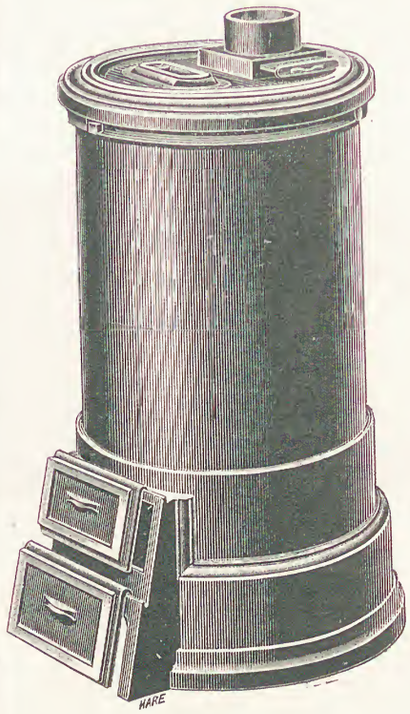
External Sizes.	Size of Sockets	ACTUAL Heating Power in 4in. Pipe	PRICE 5/16 in. Plate.	External Sizes.	Size of Sockets	ACTUAL Heating Power in 4in. Pipe	PRICE 5/16 in. Plate.
Height. Dia. inches.	in.	ft.	£ s. d.	Height. Dia. inches.	in.	ft.	£ s. d.
46×12	1¼	80	4 12 0	26×12	1¼	80	3 12 0
53×14	1½	110	5 3 6	29×14	1½	110	4 0 0
58×14	1½	140	6 0 0	32×16	1½	140	4 17 9
60×16	2	170	6 18 0	34×16	2	170	5 15 0
64×16	2	200	7 15 3	36×16	2	200	6 12 6
68×16	2	220	8 12 6	40×16	2	220	7 9 6

Including Flow and Return Sockets, AND FEEDER all complete, as per drawing.

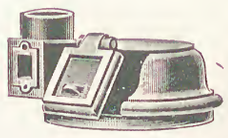
Including Flow and Return Sockets all complete, but WITHOUT Top Feeder.

Sockets and Smoke Flue can be fixed at right or left hand or at back as required, but are placed at back unless otherwise ordered.

INDEPENDENT "STAR" BOILERS.



No. 4808. Top Feed.



Sockets and Smoke Flue can be fixed at right, left, or back as required.

When not ordered otherwise they are placed at back.

No. 4807. Straight Pattern (as illustrated).

External Sizes.	Size of Sockets.	Outside Diameter of Smoke Pipe.	ACTUAL Heating Power 4 in. Pipe.	PRICE 5/16 in. Plate.	PRICE 3/8 in. Plate.
High. Diam. inches.	in.	in.	ft.	£ s. d.	£ s. d.
21 × 10	1	4	50	2 11 9	3 3 3
26 × 12	1¼	4½	80	3 0 0	3 11 3
29 × 14	1½	5	110	3 9 0	4 0 0
34 × 14	1½	5	140	4 6 3	5 0 0
32 × 16	2	5	170	5 3 6	6 0 0
36 × 16	2	5	200	6 0 0	7 1 0
40 × 16	2	5	220	6 18 0	8 1 0

No. 4808. Straight Pattern, with Top Feeder.

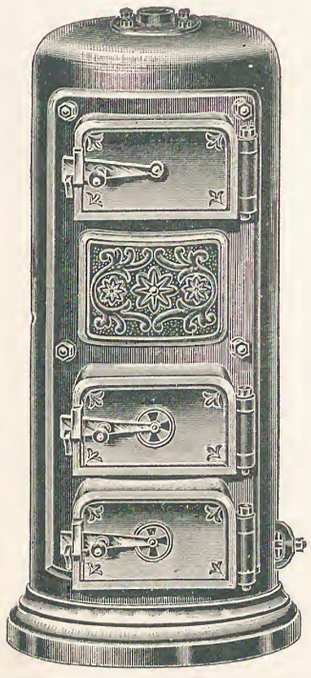
inches.	in.	in.	ft.	£ s. d.	£ s. d.
40 × 10	1	4	50	3 9 0	4 0 0
46 × 12	1¼	4½	80	4 0 0	4 12 0
53 × 14	1½	5	110	4 12 0	5 3 6
58 × 14	1½	5	140	5 9 3	6 3 9
60 × 16	2	5	170	6 6 6	7 3 9
64 × 16	2	5	200	7 3 9	8 4 0
68 × 16	2	5	220	8 1 0	9 4 0

Including Flow and Return Sockets for Wrought-iron Pipe and Damper.

INDEPENDENT DOME TOP BOILER

With Water-way Bottom and Cast-iron Front.

No. 4809.

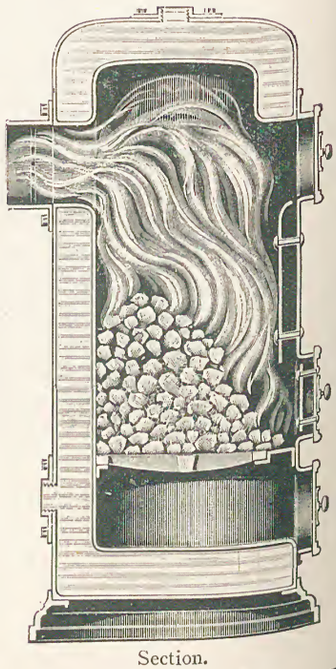


Size of Boiler over all.		ACTUAL Heating Power 4 in. Pipe.	Outside Diameter of Smoke Pipe.	PRICE 5/16 in. Plate.	PRICE 3/8 in. Plate.
High. in.	Diam. in.	ft.	in.	£ s. d.	£ s. d.
30	13	110	5	8 0 0	9 5 0
32	13	130	5	8 10 0	9 17 6
32	15	160	6	10 0 0	11 12 6
40	15	195	6	11 5 0	13 2 6
46	15	230	6	12 10 0	14 10 0
40	18	275	7	15 10 0	18 0 0
46	18	320	7	16 0 0	18 12 6
52	18	365	7	17 12 0	20 10 0
46	21	420	7	19 12 6	23 0 0
52	21	475	7	21 0 0	24 10 0
58	21	525	7	23 10 0	27 5 0
64	21	585	7	25 15 0	29 17 6
54	24	565	7	27 7 6	32 10 0
60	24	610	7	30 15 0	35 10 0
66	24	665	7	32 10 0	37 15 0
72	24	720	7	34 0 0	39 10 0
60	30	810	8	37 10 0	43 10 0
72	30	940	8	45 0 0	52 0 0

Including two 2-in. Sockets and Mudhole and Cover.

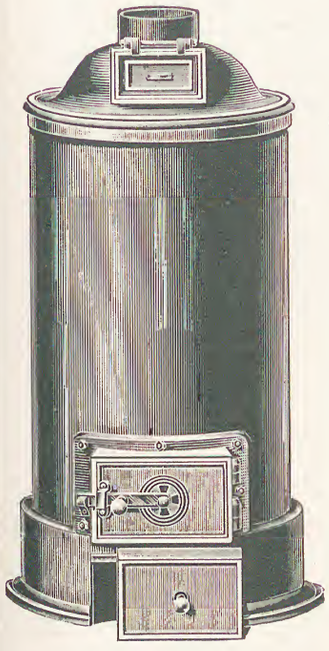
Cross Tubes can be welded in these Boilers at following Prices, charged extra :— 4 in., **15/-**; 5 in., **17/-**; 6 in., **21/-**; 7 in., **25/-**; 8 in., **30/-** per ft. in length.

In this Boiler the space between the fire-door and feeder is made of cast iron instead of with the usual water-way. It has been found in cases where the water is very hard that sediment deposits very rapidly and is liable to collect just over the fire-door, and if not immediately removed may permanently injure the boiler. In places, therefore, where the water is very hard we recommend this new pattern Boiler. Smoke Flue and Sockets can be put to suit any position. If not ordered to the contrary, Return Socket and Smoke Flue are fixed at the back as per drawing.



Section.

INDEPENDENT "FAVOURITE" BOILER.



ELEVATION.

No. 4810.

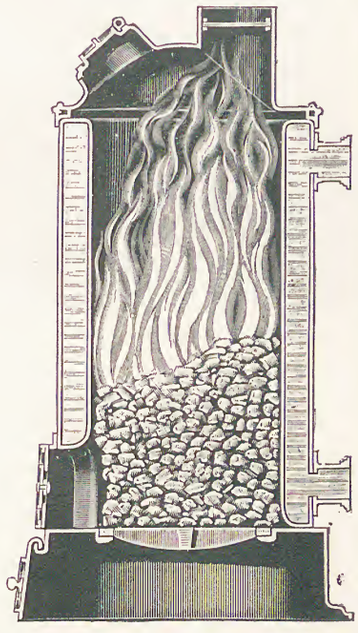
Size of Boiler exclusive of Castings. High. in.	Diam. in.	Total Height. in.	Outside Diam. of Smoke Flue. in.	Size of Sockets. in.	ACTUAL, Heating Power in 4-in. Pipe. feet.	PRICE OF BOILER. $\frac{6}{16}$ in. Plate. £ s. d.	$\frac{8}{16}$ in. Plate. £ s. d.
18	12	28	4	$1\frac{1}{2}$	80	3 7 3	3 18 0
18	14	28	5	$1\frac{1}{2}$	110	3 15 3	4 6 0
24	14	34	5	2	140	4 6 0	4 16 9
18	16	$28\frac{1}{2}$	6	2	160	4 11 6	5 7 6
24	16	$34\frac{1}{2}$	6	2	200	5 4 9	6 3 9
30	16	$40\frac{1}{2}$	6	2	240	5 18 3	6 19 9

INCLUDING TWO SOCKETS.

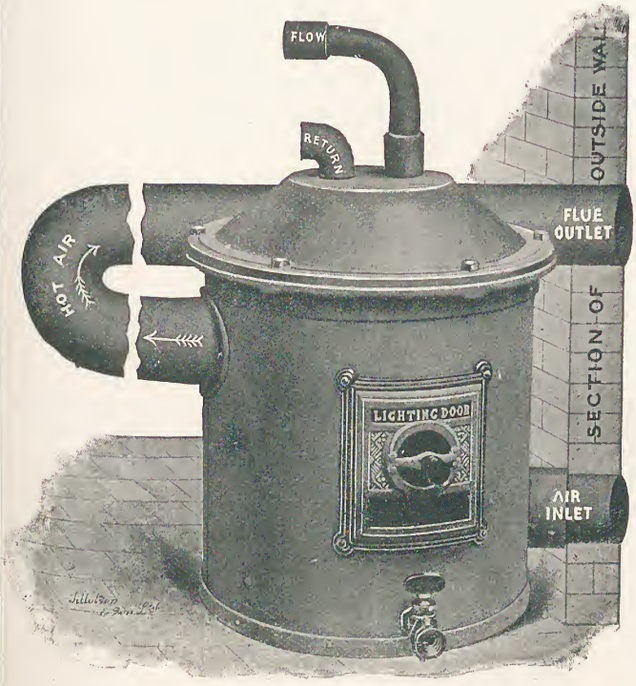
Can be supplied with extended Top Feeders if desired.

Sockets are fitted at back unless otherwise ordered.

Slide Dampers are fitted to Smoke Flues.



SECTION.



GAS HEATED WEBBED GREENHOUSE BOILERS.

To Heat.	Height.	Diameter.	Couplings Tapped.	Price complete.	Price Boiler and Burner only.
			No. 4811.	**No. 4812.**	
40 ft 2 in. pipe	$16\frac{1}{2}$ in.	12 in. overall	1 in.	**37/6**	**31/6** each
65 ,, 2 ,,	$16\frac{1}{2}$,,	14 ,,	1 ,,	**43/9**	**34/6** ,,
90 ,, 2 ,,	$20\frac{1}{4}$,,	21 ,,	1 ,,	**54/6**	**43/9** ,,
150 ,, 2 ,,	$20\frac{1}{4}$,,	21 ,,	$1\frac{1}{4}$,,	**87/6**	**68/9** ,,
400 ,, 2 ,,	23 ,,	$26\frac{1}{2}$,,	$1\frac{1}{2}$,,	**150/-**	**125/-** ,,

Position of door and flue must be stated.

Taps on gas supply, and bend and elbow on flow and return pipes shewn in engraving, not included in above prices.

TEST OF GAS HEATED GREENHOUSE BOILER.

With 400 ft. 2 in. Pipe.

Total radiating pipe surface 230 square ft. Gas consumption 98 cubic ft. per hour with 9-10ths gas pressure. Temperatures, 155° flow, 128° return, 68° house.

Mean rise of temperature of pipes over that of the house 73°.

Effective duty, one cubic ft. of gas per hour will maintain 3 square ft. of radiating surface at 57° over the temperature of the house.

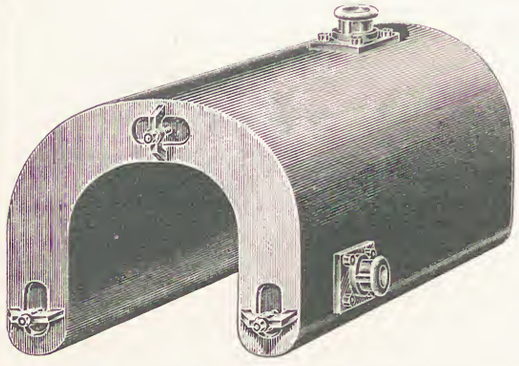


UNDER SIDE OF BOILER.

Unless the flue to which these Boilers are to be connected is known to have a strong and steady draught, they must be fixed outside the plant house in a separate shed or enclosure.

PLAIN SADDLE BOILER,

WITH WATERWAY 2 TO 3 INCH ACCORDING TO SIZE.



No. **4813.**

Size of Boiler. Long. L.	Inside Arch. W.	Inside Arch. H.	Outside Size. W.	Outside Size. H.	Actual Heating Power in 4 in. Pipe. feet.	Price of Boiler. $\frac{5}{16}$ in. Plate £ s. d.	Price of Boiler. $\frac{3}{8}$ in. Plate £ s. d.	Price of Furnace Fittings.* £ s. d.
18	10	11	14	13	150	1 11 9	2 0 0	2 6 9
18	12	12	16	14	180	1 18 6	2 6 9	2 9 6
21	10	11	14	13	180	1 16 9	2 5 0	2 12 3
21	12	12	16	14	210	2 1 9	2 10 0	2 12 3
24	10	11	14	13	210	1 18 6	2 6 9	2 15 0
24	12	12	16	14	240	2 5 0	2 15 0	2 18 3

EXCLUSIVE OF SOCKETS.

PLAIN SADDLE BOILER,

WITH 4 INCH WATERWAY.

No. **4814.**

Size of Boiler. Long. L.	Inside Arch. W.	Inside Arch. H.	Outside Size. W.	Outside Size. H.	Actual Heating Power in 4 in. Pipe. Feet.	Price of Boiler. $\frac{5}{16}$ in. Plate. £ s. d.	Price of Boiler. $\frac{3}{8}$ in. Plate. £ s. d.	Price of Furnace Fittings. * £ s. d.
24	14	14	22	18	295	3 18 3	4 13 3	3 0 6
30	14	14	22	18	370	4 15 0	5 13 3	3 6 0
30	16	16	24	20	415	5 6 9	6 8 3	3 11 6
33	14	14	22	18	405	5 3 3	6 3 3	3 11 6
33	16	16	24	20	455	5 15 0	6 18 6	3 11 6
36	14	14	22	18	440	5 11 9	6 13 6	3 14 3
36	16	16	24	20	500	6 5 0	7 10 0	3 14 3
42	14	14	22	18	510	6 6 9	7 13 6	3 14 3
42	16	16	24	20	585	7 3 3	8 13 6	3 17 0
42	18	18	26	22	655	8 0 0	9 11 9	4 2 6

EXCLUSIVE OF SOCKETS AND MUDHOLES.

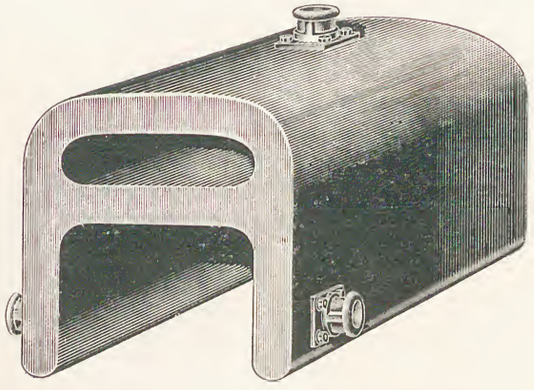
No. **4814.**

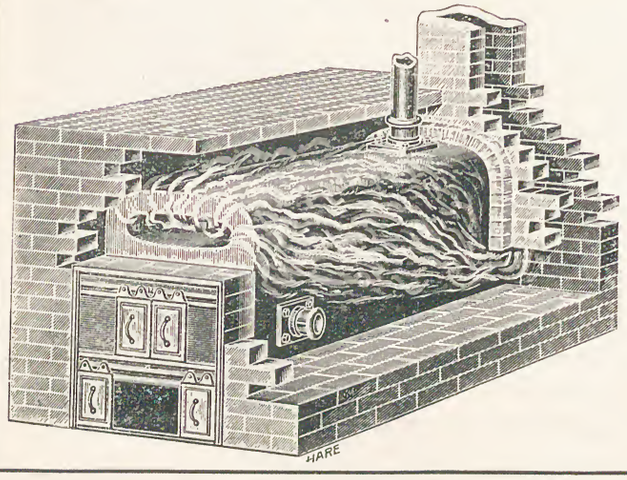
Size of Boiler. Long. L.	Inside Arch. W.	Inside Arch. H.	Outside Size. W.	Outside Size. H.	Actual Heating Power in 4 in. Pipe. feet.	Price of Boiler. $\frac{5}{16}$ in. Plate. £ s. d.	Price of Boiler. $\frac{3}{8}$ in. Plate. £ s. d.	Price of Furnace Fittings. £ s. d.
48	16	16	24	20	665	8 0 0	9 15 0	4 2 6
48	18	18	26	22	750	9 0 0	10 16 9	4 8 0
48	21	21	29	25	870	10 0 0	12 0 0	4 19 0
48	24	21	32	25	910	10 6 9	12 6 9	5 10 0
54	21	18	29	22	880	10 5 0	12 5 0	5 10 0
54	21	21	29	25	980	11 5 0	13 6 9	5 10 0
54	24	21	32	25	1030	11 10 0	13 16 9	5 15 6
60	21	18	29	22	980	11 5 0	13 6 9	6 1 0
60	21	21	29	25	1095	12 6 9	14 13 6	6 1 0
60	24	21	32	25	1155	12 13 3	15 6 9	6 6 6

EXCLUSIVE OF SOCKETS AND MUDHOLES.

Plain Sockets 2 in. **7/6**, 3 in. **9/3**, 4 in. **11/-** each.
Elbow Sockets 2 in. **11/-**, 3 in. **12/6**, 4 in. **15/-** each.
Extra for Mudholes **5/-** each (these must be specially ordered when required).

TERMINAL END SADDLE BOILER.





No. **4815.**

Size of Boiler. Long. L.	Inside Arch W.	Inside Arch H.	Outside Size W.	Outside Size H.	Actual Heating Power in 4 in. Pipe Feet.	Price of Boiler. $\frac{5}{16}$ in. Plate. £ s. d.	Price of Boiler. $\frac{3}{8}$ in. Plate. £ s. d.	Price of Furnace Fittings. * £ s. d.
24	12	12	18	23	325	7 1 3	8 10 0	2 17 6
24	14	14	20	25	375	7 12 3	9 1 6	3 0 3
30	14	14	20	25	475	9 1 3	10 17 6	3 3 0
30	16	16	22	27	550	10 3 0	11 19 3	3 9 0
33	14	14	20	25	525	9 19 3	11 15 6	3 9 0
33	16	16	22	27	600	11 1 0	12 17 6	3 14 9
36	14	14	20	25	575	10 13 9	12 13 9	3 14 9
36	16	16	22	27	650	11 19 3	14 2 9	4 0 6
42	14	14	20	25	675	12 6 6	14 10 0	4 0 6
42	16	16	22	27	750	13 11 9	15 19 0	4 6 3
42	18	18	24	29	875	15 4 6	17 15 6	4 12 0
48	16	16	22	27	850	15 11 9	18 10 0	4 12 0
48	18	18	24	29	975	17 4 3	20 6 0	4 17 9
48	21	21	27	32	1150	19 7 9	23 4 0	5 9 3
48	24	21	30	32	1225	21 0 6	25 0 0	5 15 0
54	21	18	27	29	1175	21 7 9	25 7 6	6 0 9
54	21	21	27	32	1300	22 2 3	26 2 0	6 0 9
54	24	21	30	32	1375	23 4 0	27 4 0	6 6 6
60	21	18	27	29	1300	23 4 0	27 4 0	6 6 6
60	21	21	27	32	1450	24 5 9	28 5 6	6 6 6
60	24	21	30	32	1525	25 7 6	30 0 0	6 12 3

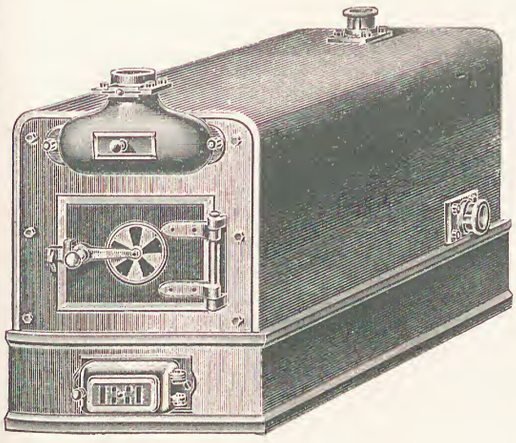
NOT INCLUDING SOCKETS OR PLUGS.

* Furnace Fittings consist of Furnace Front, with Double Sliding or Hinged Doors, Fire Bars, Bearers, Dead Plate, Damper, and Soot Doors.

Plain Sockets 2 in. **8/-**, 3 in. **9/9**, 4 in. **11/6**, 5 in. **15/-**, 6 in. **18/9** each.

Elbow Sockets 2 in. **11/6**, 3 in. **13/3**, 4 in. **16/-**, 5 in. **19/6**, 6 in. **24/9** each.

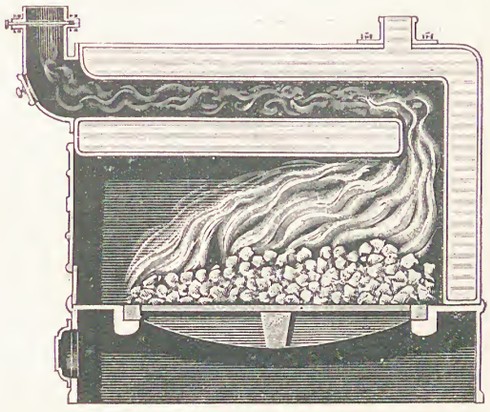
Cleaning Plugs 1½ in. **3/6**, 2 in. **4/6** each.



ELEVATION.

THE INDEPENDENT TERMINAL END BOILER.

No. 4816.



SECTION.

SIZE OF BOILER. Long.—Inside Arch. W.	D.	Outside Size, Including Stand. W.	H.	ACTUAL Heating Power in 4in. pipe. feet.	PRICE OF BOILER. $\frac{5}{16}$ in. Plate. £ s. d.	$\frac{3}{8}$ in. Plate. £ s. d.	
24 × 14 ×	14	22 ×	31	325	11 11 0	13 6 0	each.
30 × 14 ×	14	22 ×	31	400	13 8 9	15 11 9	,,
30 × 16 ×	16	24 ×	33	460	15 6 3	17 12 0	,,
33 × 14 ×	14	22 ×	31	435	15 6 3	17 12 0	,,
33 × 16 ×	16	24 ×	33	500	17 4 0	19 15 0	,,
36 × 14 ×	14	22 ×	34	470	16 18 6	19 7 0	,,
36 × 16 ×	16	24 ×	36	540	18 16 3	21 10 0	,,
42 × 14 ×	14	22 ×	34	540	18 0 0	20 13 9	,,
42 × 16 ×	16	24 ×	36	625	19 17 9	22 16 9	,,
42 × 18 ×	18	26 ×	38	720	21 15 3	24 19 9	,,
48 × 16 ×	16	24 ×	36	710	22 11 6	25 16 0	,,
48 × 18 ×	18	26 ×	38	810	24 9 0	27 19 0	,,
48 × 21 ×	21	29 ×	41	950	26 17 6	30 12 6	,,
48 × 24 ×	21	32 ×	41	1035	29 5 9	34 2 6	,,

INCLUDING STAND, BARS, &c., BUT NOT SOCKETS.

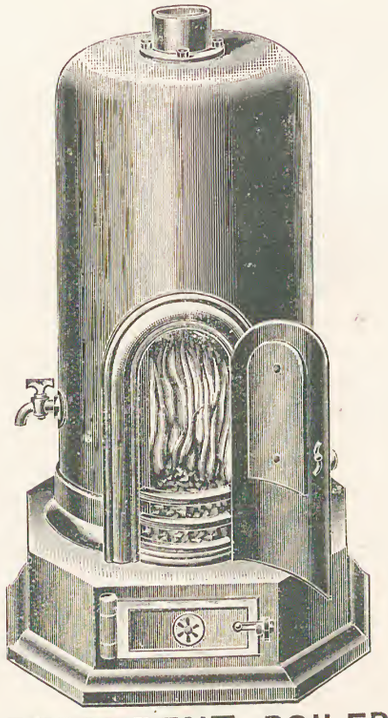
No. 4817. Extra for Plain Sockets.

2 ins.	3 ins.	4 ins.
8/-	9/9	11/6 each.

No. 4818. Extra for Elbow Sockets.

2 ins.	3 ins.	4 ins.
11/6	13/3	16/- each.

GREENHOUSE OR "HARNESS ROOM" BOILER.



INDEPENDENT BOILER.

No. 4819.

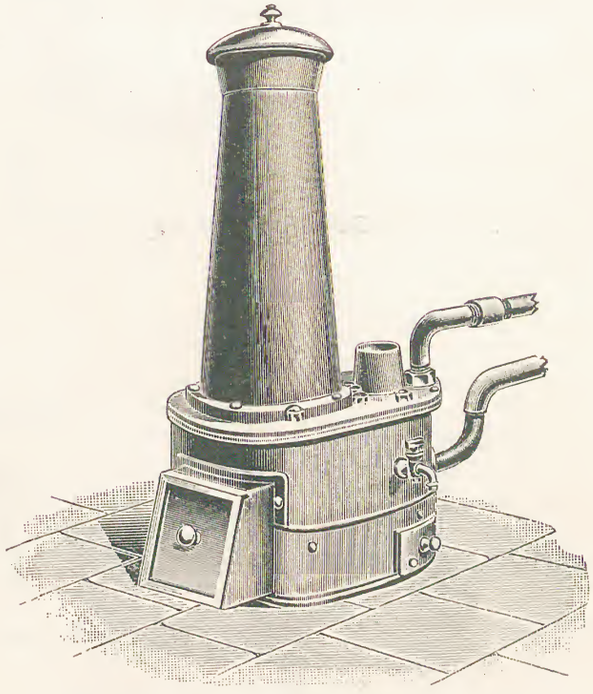
With open fire front and bars, brass draw-off cock, and ashes tray, complete, as per drawing.

Size of Boiler only. Diam.	Deep.	ACTUAL Heating Power. 4 in. pipe. Feet.	Outside diam. of Smoke Pipe In.	PRICE $\frac{5}{16}$ in. Plate. £ s. d.	PRICE $\frac{3}{8}$ in. Plate. £ s. d.	
13 ×	15	70	$4\frac{1}{4}$	5 5 0	6 2 6	each.
13 ×	21	110	$4\frac{1}{4}$	8 5 0	9 12 6	,,
15 ×	24	150	$5\frac{1}{4}$	10 0 0	11 12 6	,,
18 ×	27	250	6	12 0 0	14 0 0	,,

INCLUDING FLOW AND RETURN SOCKETS.

THE "12 HOURS" BOILER.

FOR LOW PRESSURE HOT WATER HEATING.



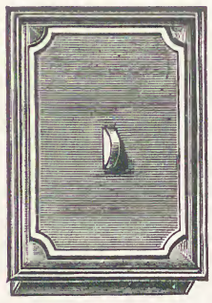
No. 4820. WROUGHT IRON BOILERS.

Total Height. inches.	Long. inches.	Wide. inches.	ACTUAL, Heating Power, 4 in. Pipes. feet.	PRICE OF BOILER. $\frac{5}{16}$ in. Plate £ s. d.	$\frac{3}{8}$ in. Plate. £ s. d.	
41	21	14	75	8 12 6	9 15 6	each.
42	29	18	200	10 18 6	11 10 0	,,
47	29	18	350	14 7 6	16 7 9	,,

No. 4821. CAST IRON BOILERS AS ABOVE.

Total Height. inches.	Long. inches.	Wide. inches.	ACTUAL, Heating Power, 4 in. pipes. feet.	Price, $\frac{5}{16}$ in. Plate. £ s. d.	
41	21	14	75	6 0 0	each.
42	29	18	200	9 0 0	,,
47	29	18	350	12 10 0	,,

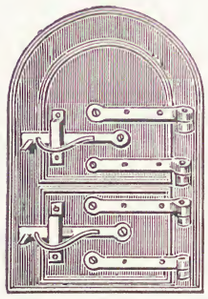
SOOT BOX.



No. 4822.

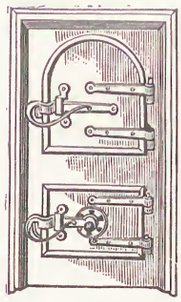
5¼×3¾ ins.	.. ..	**2/6** each.
6¾×4¾ „	.. ..	**3/-** „
6¾×6¾ „	.. ..	**3/3** „
9 ×6 „	.. ..	**4/-** „

FURNACE DOORS.



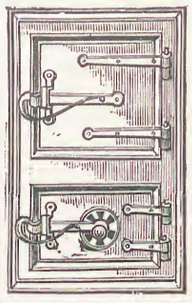
No. 4823. Arched.

11×17½ ins.	.. ..	**14/-** each.
14×21 „	.. ..	**18/6** „
17×24¼ „	.. ..	**22/6** „



No. 4824. Recessed.

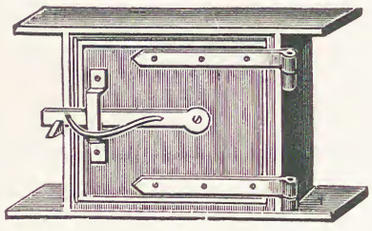
16 ×28 ins.	.. ..	**24/9** each.
19½×32 „	.. ..	**30/6** „
28 ×36 „	.. ..	**53/6** „
30 ×38 „	.. ..	**56/3** „



No. 4825. Flush.

15½×25 ins.	.. ..	**22/-** each.
21 ×30 „	.. ..	**35/-** „
23 ×35 „	.. ..	**42/9** „

FURNACE DOOR.

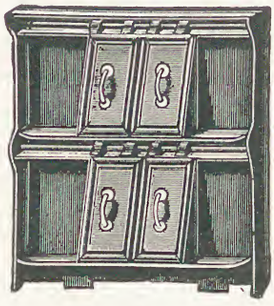


No. 4826.

Size of Opening, 12×10 ins.

Price, 12/3 each.

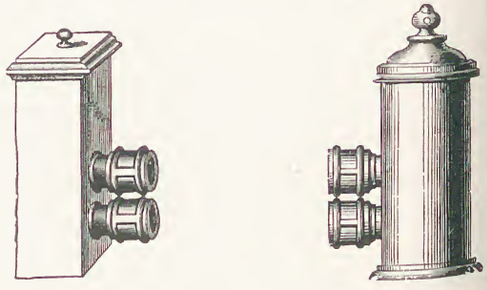
HEAVY FURNACE DOOR.



No. 4827.

Width.	Height.	Fire.		
25 ×	28 ×	11 ins.	..	**40/-** each.
30 ×	34 ×	11 „	..	**43/9** „

EXPANSION BOXES.

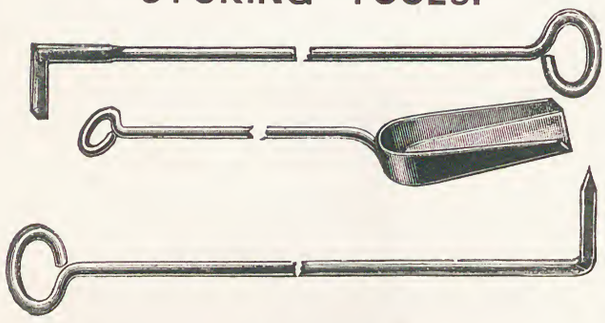


No. 4828. **No. 4829.**

With Two Sockets only.

	2	3	4 ins.
No. 4828 ..	**28/-**	**30/-**	**31/6** each.
No. 4829 ..	**13/6**	**16/6**	**18/-** „

STOKING TOOLS.



No. 4830.

Shovel, Poker and Raker.

16/9 per set.

PIPE STANDS.



No. 4831. **No. 4832.** **No. 4833.**

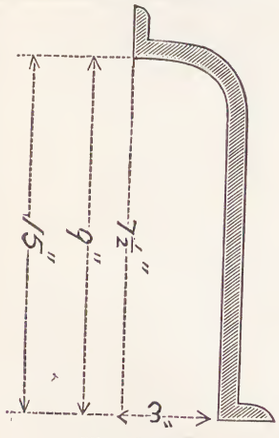
	For 2	3	4 inch pipes.
No. 4831 (2 ins. high) ..	**3/-**	**3/6**	**4/6** dozen.
No. 4832 (4 ins. high) ..	**3/6**	**4/6**	**6/-** „
No. 4833	**3/-**	**3/6**	**5/-** „

FURNACE BARS AND BEARERS.



No. 4522.

Sizes, 6 to 24 inch, **12/-** per cwt.



No. 4834.

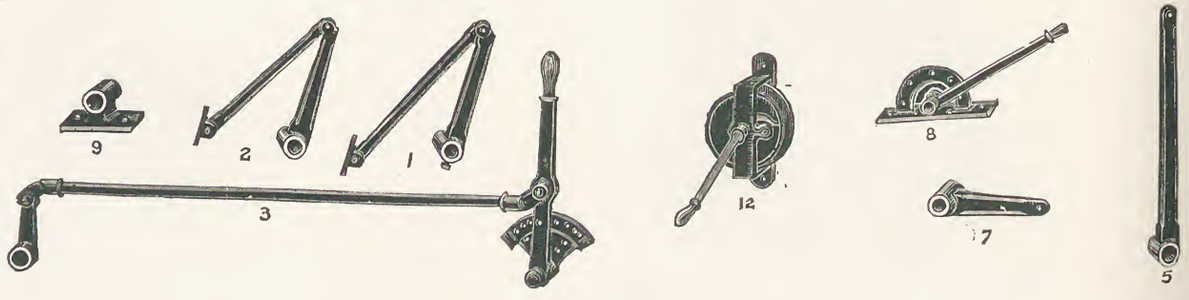
Section of C. I. Curved Wall Ventilating Grating for Covering Hot Wate. Pipes.

3 ft. Lengths.

Heights, 7½ 9 15 ins.

Price, 2/- 2/3 3/- per ft. run.

GREENHOUSE VENTILATING GEAR.



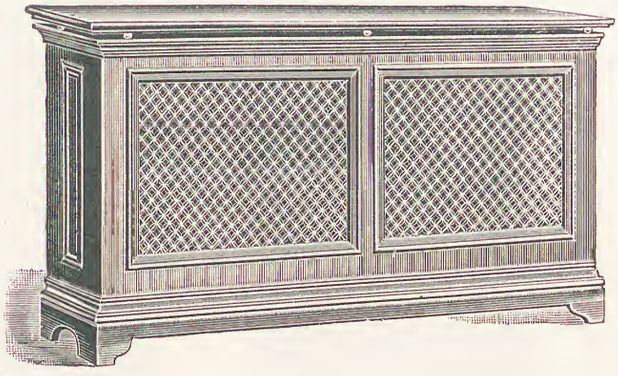
No. 4835.

Fig.		For ½-inch.		¾-inch Rod.
1.	Elbow Levers, 19½ inch	**1/10**	..	**2/3** each.
2.	„ „ 16½ „	**1/7**	..	**2/-** „
3.	Lever Movement without Rod	**8/9**	..	**10/-** per set.
5.	Long Arm Lever, 17½ inch	**1/3**	..	**1/7** each.
7.	Short Arm Lever, 8½ inch	**1/3**	..	**1/6** „
8.	Segment and Lever	**2/-**	..	**2/3** „
9.	Carriage	**6d.**	..	**8d.** „
12.	Ratchet for Chain		..	**8/9** each.

Connecting Rods to suit .. ½-inch, **3d.**, ¾-inch, **4d.** per ft.

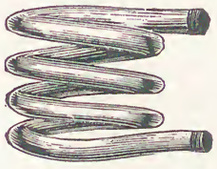
COIL CASE.

No. 4836.



Can be made any size, and prices will be according to specification.
Estimate submitted on receipt of particulars of requirements.

WROUGHT COIL BOILER.



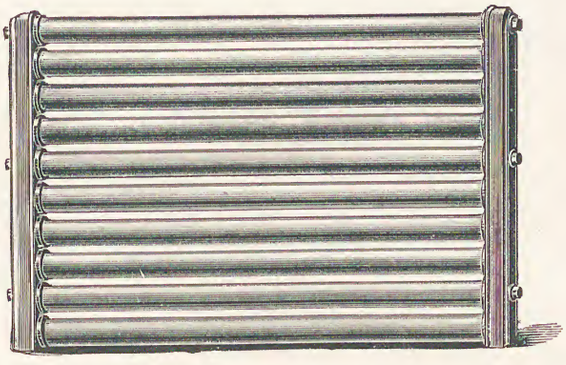
No. 4837.

Size of Tube.	No. of Laps.	Approximate Heating Power. 2 in. Pipe.	Inside Diameter.
¾ in.	4	80 ft.	8 in.
1 ,,	4	120 ,,	9 ,,
1¼ ,,	4	160 ,,	10 ,,
1¼ ,,	5	200 ,,	10 ,,
1½ ,,	5	250 ,,	11 ,,

¾	1	1¼	1½ in. Tubes.
1/-	1/4	2/5	2/9 per ft. run.

SINGLE COILS.

WITH SINGLE ROW OF TWO INCH PIPES.



No. 4838.

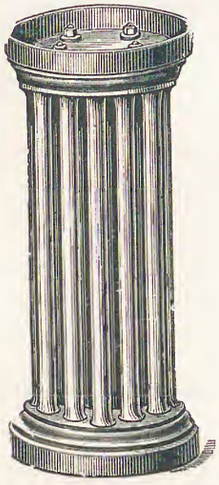
Lengths outside Plinths of Blocks—

No. of Tubes.	3 ft. 7½ ins. LENGTHS OF PIPES. 3 ft.	4 ft. 1½ ins. 3 ft. 6 ins.	4 ft. 7½ ins. 4 ft.	5 ft. 1½ ins. 4 ft. 6 ins.	5 ft. 7½ ins. 5 ft.	6 ft. 1½ ins. 5 ft. 6 ins.	
5	£3 9 3	£3 11 0	£3 12 6	£3 14 6	£3 18 0	£4 2 0	each.
6	3 14 9	3 17 0	3 19 6	4 1 0	4 6 0	4 10 0	,,
7	4 0 0	4 2 9	4 5 0	4 6 6	4 10 6	4 14 6	,,
8	4 8 0	4 10 0	4 11 6	4 14 6	4 17 6	5 0 6	,,
9	4 18 6	5 0 0	5 2 6	5 5 6	5 8 6	5 12 0	,,
10	5 8 9	5 11 0	5 13 6	5 16 6	6 0 0	6 3 0	,,

Can be made any intermediate lengths at the next higher price.
Double Coils made if required.

CIRCULAR COILS.

No. 4839.



Fitted together, Drilled and Tapped for flow and return, and Air Pipes, with Turned Pipes, and Patent Rubber Joints.

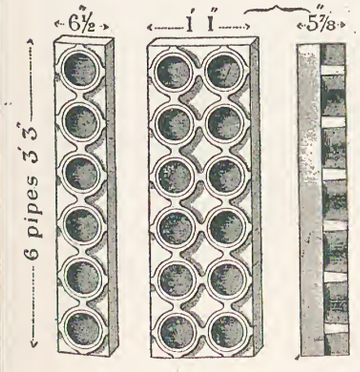
Height overall.	No. 4839. 12 in. Dia. Containing 7-2 in. Pipes.	No. 4840. 16¼ in. Dia. Containing 12-2 in. Pipes.
2 ft. 6 ins. ..	£3 11 0 ..	£4 19 0 each
3 ,, 0 ,, ..	3 14 0 ..	5 11 0 ,,
3 ,, 6 ,, ..	3 17 0 ..	5 15 0 ,,
4 ,, 0 ,, ..	4 0 0 ..	6 0 0 ,,
4 ,, 6 ,, ..	4 5 0 ..	6 5 0 ,,
5 ,, 0 ,, ..	4 10 0 ..	6 10 6 ,,
5 ,, 6 ,, ..	4 14 6 ..	6 17 0 ,,
6 ,, 0 ,, ..	5 0 6 ..	7 3 6 ,,
6 ,, 6 ,, ..	5 7 0 ..	7 10 0 ,,

No. 4841.—Plain Cast Iron Tops.
For 12 in. Diameter, **6/6** each; for 16¼ in. Diameter, **9/6** each.
Marble Tops can be fitted.

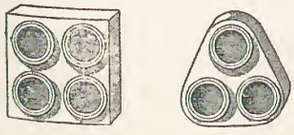
PRICES.

For 12 in. Sicilian, **52/-** each extra. | Vein .. .. **71/-** each extra.
For 16¼ in. ,, **57/-** ,, | ,, ... **75/6** ,,

No. 4843. **No. 4844.**



4 single, 4 double.
From 3 to 12 pipes high.



Four-way Block. Three-way Block.

No. 4842. **No. 4845.**

SOCKET COIL BLOCKS (EACH).

Diameter of Pipe.	No. 4843. SINGLE. 2 in.	3 in.	4 in.	No. 4844. DOUBLE. 2 in.	3 in.	4 in.	
3 Pipes high ..	5/-	8/-	10/3	9/9	16/-	19/3	each.
4 ,, ..	6/3	10/9	12/9	11/3	20/9	24/-	,,
5 ,, ..	7/9	13/3	16/-	13/9	24/9	30/9	,,
6 ,, ..	9/3	16/-	19/3	18/-	28/9	38/9	,,
7 ,, ..	11/-	18/3	22/9	22/-	33/-	44/9	,,
8 ,, ..	12/6	20/9	26/9	24/9	38/3	49/3	,,
9 ,, ..	14/3	22/9	30/-	26/9	43/9	54/9	,,
10 ,, ..	16/3	25/-	33/3	30/-	49/6	62/9	,,

Four-way Socket Blocks, **No. 4842** .. 3 in. **11/-** each .. 4 in. **12/6** each.
Three-way ,, **No. 4845** .. 3 in. **8/3** ,, .. 4 in. **10/-** ,,

WATER AND STEAM RADIATORS.



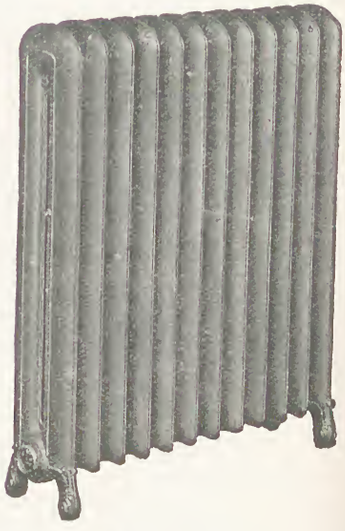
No. 4846.



No. 4847.



No. 4848.



No. 4849.

FOR LOW PRESSURE WATER AND STEAM HEATING.

ONE COLUMN.

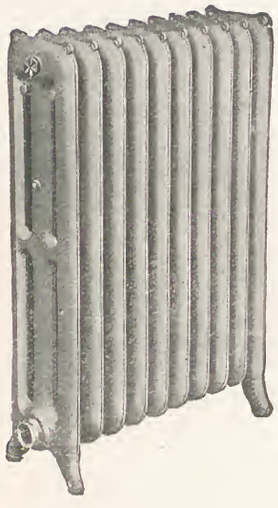
Height ..	38	32	26	23 ins.
Heating Surface	3	2½	2	1⅔ sq. ft. per Section.
Price ..	**4/9**	**4/6**	**4/-**	**3/9** per Section.

Length, 2½ in. per Section; width at foot, 5½ in.; body 4½ in.

TWO COLUMN.

Height	45	38	32	26	20 ins.
Heating Surface	5	4	3⅓	2⅔	2 sq. ft. per Section.
Price ..	**7/9**	**6/6**	**6/-**	**5/3**	**4/9** per Section.

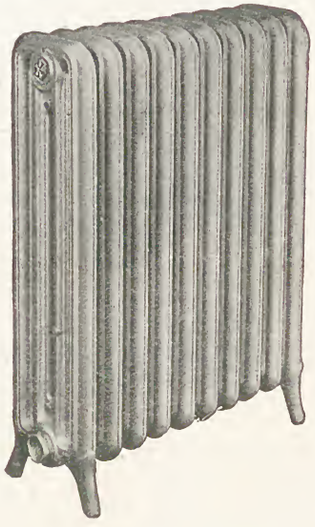
Length, 2½ in. per Section; width at foot, 8½ in.; body, 7⅜ in.



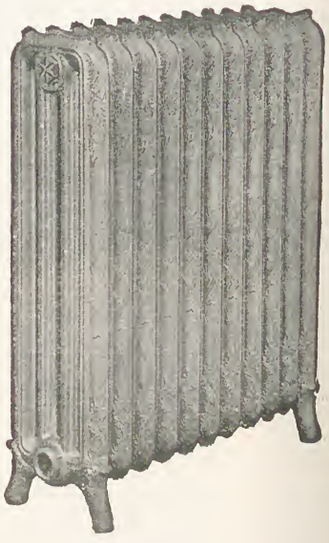
No. 4850.



No. 4851.



No. 4852.



No. 4853.

FOR LOW PRESSURE WATER AND STEAM HEATING.

THREE COLUMN.

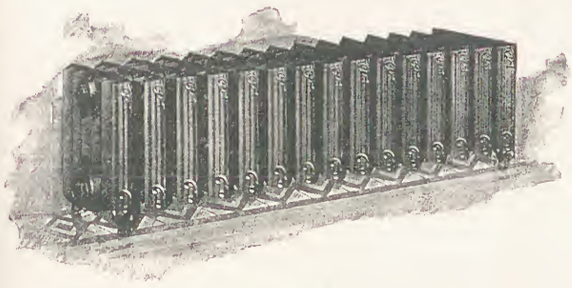
Height ..	38	32	26 ins.
Heating Surface	5	4½	3¾ sq. ft. per Section.
Price ..	**8/-**	**8/-**	**7/6** per Section.

Length, 2½ in. per Section; width at foot, 10¼ in.; body, 9 in.

FOUR COLUMN.

Height ..	38	32	26	20 ins.
Heating Surface	8	6⅔	5⅓	4 sq. ft. per Section.
Price ..	**12/9**	**12/-**	**10/9**	**9/9** per Section.

Length, 2¾ in. per Section; width at foot, 11¼ in.; body 10½ in.



No. 4854.

"YORK" FLUE RADIATOR.

FOR LOW PRESSURE WATER AND STEAM HEATING.

Height	20	18	16	14	13 ins.	
Heating Surface ..	6	5⅓	4⅔	4	3⅜ sq. ft per Section.	
Price	**11/3**	**10/3**	**9/3**	**8/3**	**7/9** per Section.	

Length, 3 in. per Section; Width of Section, 12½ in.

INDIRECT RADIATORS.

FOR LOW PRESSURE WATER AND STEAM HEATING.

Length of Section	ins.	36¾
Height	„	8
Heating Surface	sq. ft.	12
Width occupied in Stack	ins.	3⅞*
Size of Hexagon Screw Nipples ..		1½

No. 4855.
Price per Section, unassembled .. **11/3**

No. 4856.
Price per Section, assembled .. **12/-**



"EXCELSIOR" **Nos. 4855 & 4856.**

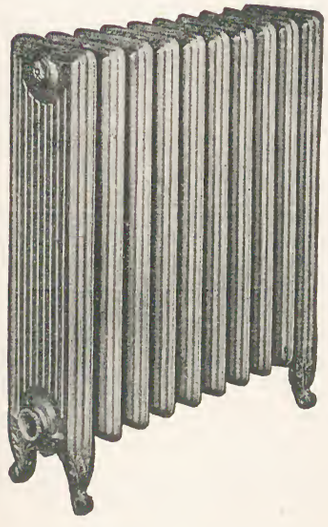
*The "Excelsior" can be furnished with Nipples which provide width in stack of 4 1/16.

The Nipples for the Connections are Heavy Malleable Iron with Hexagon Nut at the centre, and are not liable to indentations or damage through a severe strain placed upon them by Tongs or Wrench.

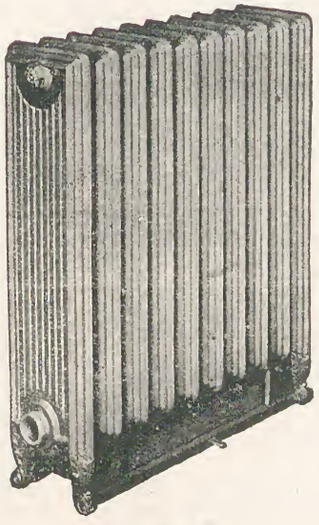
The Radiators can easily be changed in size, all the sections being interchangeable and exactly alike.

"ROMAN" RADIATOR.

FOR LOW PRESSURE WATER AND STEAM HEATING.



No. 4857.—"Roman."



No. 4858.
"Roman," with Ventilating Base.

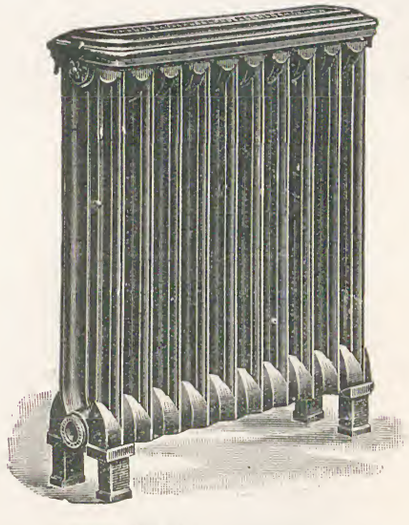
Height	39½	33½	27½	21½ ins.
Heating Surface	7	5¾	4½	3¼ sq. ft. per Section.
Prices	**11/3**	**10/6**	**9/-**	**7/9** per Section.

Length, 3 in. per Section: Width of Section, 8½ in.

If with Ventilating Base, **1/9** per Section extra.

"CARLISLE" RADIATOR.

FOR LOW PRESSURE WATER AND STEAM HEATING.



No. 4860.—"Carlisle."

Height	34½	27½ ins.
Heating Surface ..	4½	3½ sq ft. per Section.
Prices	**8/-**	**7/-** per Section.

Top, extra, per Section, **8**d.

Length, 3 in. per Section; Width of Section, 7 in.

If with Ventilating Base, **1/6** per Section extra.

"PREMIER" BOILERS.

WATER BOILERS.

No.	Height from Floor to Top Outlets. Inches.	Height from Floor to Centre of Return Opening. Inches.	Diameter of Heater. Inches.	Diameter of Grate. Inches.	Diameter of Smoke Outlet. Inches.	No. and Size Outlets on Top. Standard Thread.	Capacity Direct Radiation. Sq. Feet.	Price. £	s.	d.
4861	33¼	12¾	18	10	5	1 1½ in.	140	5	12	0
4862	36½	13¾	21	12	6	3 1½ in.	200	8	0	0
4863	42	14¾	23	15	6	3 2 in.	270	11	4	0
4864	45	13⅜	27	18	7	3 2 in.	450	14	8	0

STEAM BOILERS.

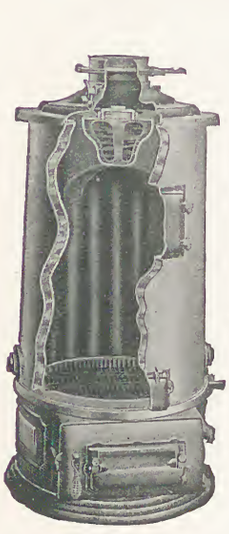
No.	Height from Floor to Top Outlets. Inches.	Height from Floor to Centre of Return Opening. Inches.	Diameter of Heater. Inches.	Diameter of Grate. Inches.	Diameter of Smoke Outlet. Inches.	Height of Water Line. Inches.	No and Size Outlets on Top. Standard Thread.	Capacity Direct Radiation. Sq. Feet.	Price.* Excluding Trimmings £	s.	d.
4865	53	14¾	23	15	6	48	2 2 in.	250	12	16	0
4866	55	15⅜	27	18	7	49	2 2½ in.	350	16	0	0
4867	59	15⅜	27	18	7	53	2 2½ in.	440	18	8	0

*A SET OF TRIMMINGS IS SENT WITH BOILER, BUT CHARGED EXTRA £4 14 PER SET

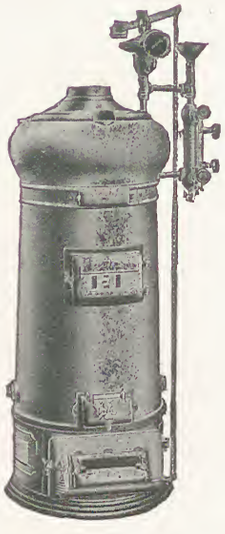
NOTE.—For Domestic Hot Water Service we supply the "Premier" Water Boilers fitted with Hand-holes for cleaning out purposes, viz. :—

Boiler.	Hand-holes.	Capacity. Gallons of Water. 50° to 160° per hour.	Price. £	s.	d.
4868	2	27	7	0	0
4869	4	37	10	16	0
4870	4	54	14	0	0
4871	4	78	17	4	0

Extra for Fire Tools, 8/- per Set. Consisting of Poker, Slice Bar and Shovel.



Inside View of Water Boiler.



Outside View of Steam Boiler.

"CHAMPION" SECTIONAL WATER BOILERS.

FOR LOW PRESSURE HEATING WITH COKE FUEL.

No.	No. of Sections.	Length * Inches.	Total Width. Inches.	Total Height. Inches.	Size of Fire Pot. Inches.	Diam. of Smoke Pipe. Inches.	Number & Size Outlets on Top. Standard Thread.	Capacity Lineal Feet. 2-in. Pipe.	Capacity Direct Radiation Sq. Feet.	Capacity Gallons of Water 50° to 160° per Hour.	Price. £	s.	d.
4872	4	18	17	40	12×12×20	5	1—2 in.	450	280	50	8	16	0
4873	5	22¼	17	40	12×16×20	5	2—2 in.	560	350	62	10	8	0
4874	6	26½	17	40	12×20×20	5	2—2 in.	670	420	75	12	0	0
4875	7	30¾	17	40	12×24×20	5	2—2 in.	780	490	87	13	12	0

*Add 5 inches to allow for Smoke Hood.

No.	No. of Sections.	Length * Inches.	Total Width Inches.	Total Height. Inches.	Length and Width of Base for Foundation Inches.	Size of Grate. Inches.	Diam. of Smoke Outlet. Inches.	No. and Size Outlets On Top. Standard Thread.	Capacity Lineal Feet. 4 in. Pipe.	Capacity Direct Radiation Sq. Feet.	Price. £	s.	d.
4876	4	19¾	24	49¼	20⅝×22	14¾×10	7	2—2 in.	430	500	15	16	0
4877	5	25	24	49¼	25⅞×22	20 ×10	7	2—2 in.	560	650	19	4	0
4878	6	30¼	24	49¼	31⅛×22	25¼×10	7	2—2 in.	690	800	22	12	0
4879	7	35½	24	49¼	36⅜×22	30½×10	7	3—2 in.	820	950	26	0	0

*Add 7 inches to allow for Smoke Hood.

4880	5	29⅜	30½	51⅞	29⅞×28	24¾×12½	9	2—3 in.	950	1,100	30	8	0
4881	6	35½	30½	51⅞	36⅛×28	31 ×12½	9	2—3 in.	1,150	1,350	35	4	0
4882	7	42	30½	51⅞	42⅜×28	37¼×12½	9	3—3 in.	1,375	1,600	40	0	0
4883	8	48⅛	30½	51⅞	48⅝×28	43½×12½	9	3—3 in.	1,600	1,850	44	16	0

*Add 7 inches to allow for Smoke Hood.

4884	5	33½	36	62⅞	34⅛×33⅝	28¾×17½	12	2—4 in.	1,700	2,000	46	8	0
4885	6	40¾	36	62⅞	41⅜×33⅝	36 ×17½	12	2—4 in.	2,150	2,500	54	8	0
4886	7	48	36	62⅞	48⅝×33⅝	43¼×17½	12	3—4 in.	2,600	3,000	62	8	0
4887	8	55¼	36	62⅞	55⅞×33⅝	50½×17½	12	3—4 in.	3,000	3,500	70	8	0

*Add 8½ inches to allow for Smoke Hood.

4888	5	37¼	48¼	69¼	38 ×39¾	32½×22	12	2—4 in.	2,850	3,400	76	16	0
4889	6	45½	48¼	69¼	46¼×39¾	40¾×22	12	2—4 in.	3,420	4,060	91	4	0
4890	7	53¾	48¼	69¼	54½×39¾	49 ×22	12	3—4 in.	3,990	4,720	105	12	0
4891	8	62	48¼	69¼	62⅝×39¾	57¼×22	12	3—4 in.	4,560	5,380	120	0	0
4892	9	80¼	48¼	69¼	71 ×39¾	65½×22	12	4—4 in.	5,130	6,040	134	8	0

*Add 8⅝ inches to allow for Smoke Hood.

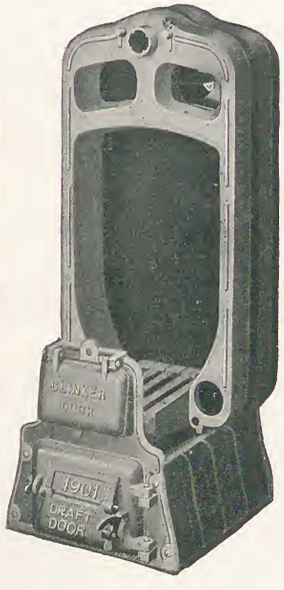
Nos. 4872, 4873, 4874, 4875, Fire Tools, **8**/- per set.

4876, 4877, 4878, 4879, 4880, 4881, 4882, 4883, 4884, 4885, 4886, 4887. Fire Tools, **21**/- per set.

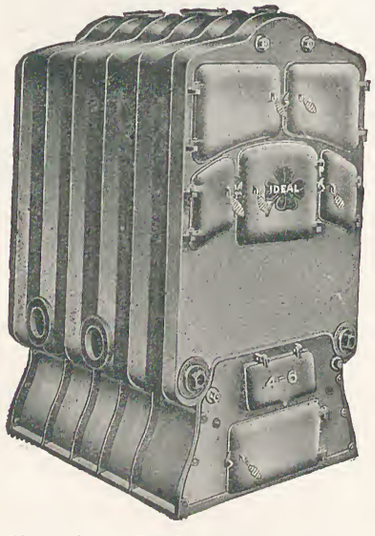
Nos. 4888, 4889, 4890, 4891, 4892. Fire Tools, **32**/- per set



Front and Side View.



Interior View.



"Champion," Sectional Water Boiler.

TAPPINGS.—Unless otherwise ordered all Boilers will be tapped as above. For each supply outlet on top there is a corresponding return inlet on each side of Boiler, the excess return openings being plugged. Any desired variation in the tappings should be distinctly specified when ordering.

CONNECTIONS.—All openings are tapped standard thread, but we supply free, if ordered with Boiler, either threaded sockets or threaded flanges sufficient for the openings above specified.

RECOMMENDATION.—Both on account of increased efficiency and in the interests of greater economy, we strongly recommend that all Boilers be thoroughly protected by a substantial covering of Asbestos Cement.

"CHAMPION" SECTIONAL WATER BOILERS

For Low Pressure Heating with Coal or Coke Fuel.

18-inch GRATES.

No.	No. of Sections.	Total Length. * inches.	Total Width. inches.	Total Height. inches.	Length and Width of Base for Foundation. inches.	Size of Grate. inches.	Diam. of Smoke Outlet. inches.	No. and Size Outlets on Top. Standard Thread.	Capacity Lineal Feet. 4-in. Pipe.	Capacity Direct Radiation sq. feet.	PRICE. £	s.	d.
4893	4	28	28	52	24×27	18×18	8	2—3 in.	700	800	**24**	**16**	**0**
4894	5	34	28	52	30×27	24×18	8	2—3 in.	840	1000	**29**	**12**	**0**
4895	6	40	28	52	36×27	30×18	8	2—3 in.	1010	1200	**34**	**8**	**0**
4896	7	46	28	52	42×27	36×18	8	2—3 in.	1180	1400	**39**	**4**	**0**

* Add 11¾ inches to allow for Smoke Hood.

24-inch GRATES.

4897	5	39	40½	58¾	34½×34	29 ×24	12	2—4 in.	1470	1750	**42**	**0**	**0**
4898	6	46¼	40½	58¾	41¾×34	36½×24	12	2—4 in.	1800	2125	**49**	**12**	**0**
4899	7	53½	40½	58¾	49 ×34	43½×24	12	2—4 in.	2100	2500	**57**	**4**	**0**
4900	8	60¾	40½	58¾	56¼×34	50⅝×24	12	3—4 in.	2425	2875	**64**	**16**	**0**
4901	9	68	40½	58¾	63½×34	58 ×24	12	3—4 in.	2750	3250	**72**	**8**	**0**

* Add 14¼ inches to allow for Smoke Hood.

36-inch GRATES.

No.	No. of Sections.	Length. * inches.	Total Width. inches.	Total Height. inches.	Length and Width of Base for Foundation. inches.	Size of Grate. inches.	Diam. of Smoke Outlet. inches.	No. and Size Outlets on Top. Standard Thread.	Capacity Lineal Feet. 4-in. Pipe.	Capacity Direct Radiation sq. feet.	PRICE. £	s.	d.
4902	5	46¾	57½	72	46×52	32×36	14½	2—4 in.	2900	3450	**94**	**8**	**0**
4903	6	55	57½	72	54×52	40×36	14½	2—4 in.	3550	4200	**110**	**8**	**0**
4904	7	63¼	57½	72	62×52	48×36	14½	3—4 in.	4190	4950	**126**	**8**	**0**
4905	8	71½	57½	72	70×52	56×36	14½	3—4 in.	4800	5700	**142**	**8**	**0**
4906	9	79¾	57½	72	78×52	64×36	14½	4—4 in.	5450	6450	**158**	**8**	**0**

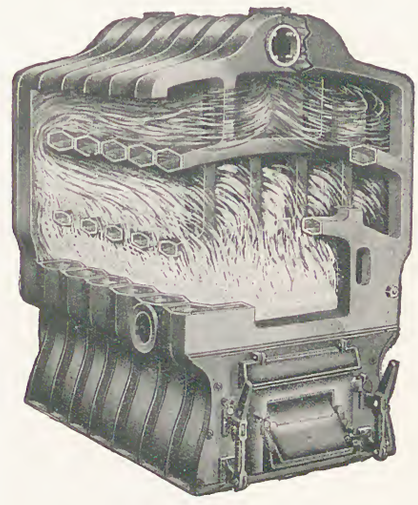
* Add 10¼ inches to allow for Smoke Hood.

TAPPINGS.—Unless otherwise ordered all Boilers will be tapped as above. For each supply outlet on top there is a corresponding return inlet on each side of Boiler, the excess return openings being plugged. Any desired variation in the tappings should be distinctly specified when ordering.

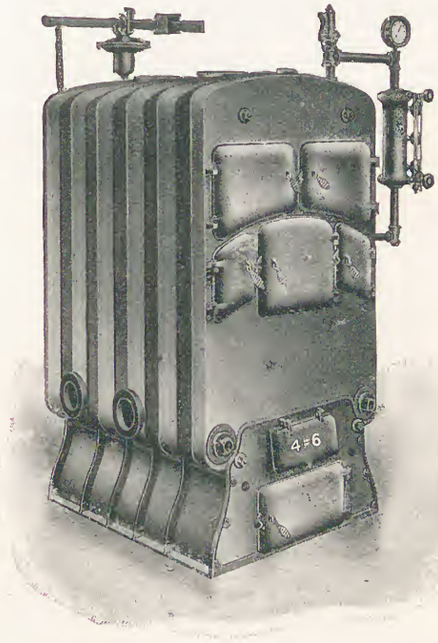
CONNECTIONS.—All openings are tapped standard thread, but we supply free, if ordered with boiler, either threaded sockets or threaded flanges sufficient for the openings above specified.

RECOMMENDATION.—Both on account of increased efficiency and in the interests of greater economy, we strongly recommend that all Boilers be thoroughly protected by a substantial covering of Asbestos Cement.

Fire Tools for 18 and 24 inch Grates, **21/-** 36 inch Grates, **32/-** per set.



"Champion" Sectional Water Boiler,



"Champion" Sectional Steam Boiler.

"CHAMPION" SECTIONAL STEAM BOILERS

For Low Pressure Heating with Coke Fuel.

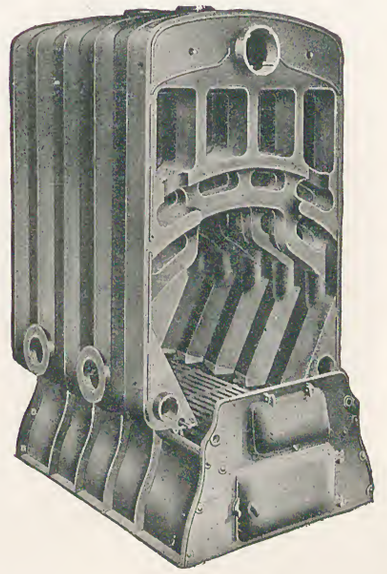
No.	No. of Sections.	Length * inches.	Total Width, excluding Trimm'gs inches.	Total Height inches.	Length and Width of Base for Foundation. inches.	Size of Grate. inches.	Height of Water Line. inches.	Diam. of Smoke Outlet. inches.	No. and Size Outlets on Top. Standard Thread.	Capacity Direct Radiation sq. feet.	PRICE, excluding Trimmings. £	s.	d.	Fire Tools. per set.
4907	4	19¾	24	53¾	20⅝×22	14¾×10	46	7	2—2 in.	270	**20**	**0**	**0**	
4908	5	25	24	53¾	25⅞×22	20 ×10	46	7	2—2 in.	345	**24**	**0**	**0**	
4909	6	30¼	24	53¾	31⅛×22	25¼×10	46	7	2—2 in.	420	**28**	**0**	**0**	
4910	7	35½	24	53¾	36⅜×22	30½×10	46	7	3—2 in.	495	**32**	**0**	**0**	
		* Add 7 inches to allow for Smoke Hood.												
4911	5	29⅜	30½	56⅜	29⅞×28	24¾×12½	48⅛	9	2—3 in.	600	**35**	**4**	**0**	
4912	6	35⅝	30½	56⅜	36⅛×28	31 ×12½	48⅜	9	2—3 in.	720	**40**	**16**	**0**	
4913	7	41⅞	30⅓	56⅜	42⅜×28	37¼×12½	48½	9	3—3 in.	840	**46**	**8**	**0**	**21/-**
4914	8	48⅛	30½	56⅜	48⅝×28	43½×12½	48½	9	3—3 in.	960	**52**	**0**	**0**	
		* Add 7 inches to allow for Smoke Hood.												
4915	5	33½	36	66⅜	34⅛×33⅝	28¾×17½	58½	12	2—4 in.	1050	**54**	**8**	**0**	
4916	6	40¾	36	66⅜	41⅜×33⅝	36 ×17½	58½	12	2—4 in.	1290	**62**	**8**	**0**	
4917	7	48	36	66⅜	48⅝×33⅝	43½×17½	58½	12	3—4 in.	1530	**70**	**8**	**0**	
4918	8	55¼	36	66⅜	55⅞×33⅝	50½×17½	58½	12	3—4 in.	1770	**78**	**8**	**0**	
		*Add 8½ inches to allow for Smoke Hood.												
4919	5	37¼	48¼	72¼	38 ×39¾	32½×22	63½	12	2—4 in.	1740	**81**	**12**	**0**	
4920	6	45½	48¼	72¼	46¼×39¾	40⅝×22	63½	12	2—4 in.	2070	**96**	**16**	**0**	
4921	7	53¾	48¼	72¼	54½×39¾	49 ×22	63½	12	3—4 in.	2400	**112**	**0**	**0**	**32/-**
4922	8	62	48¼	72¼	62¾×39¾	57¼×22	63½	12	3—4 in.	2730	**127**	**4**	**0**	
4923	9	70¼	48¼	72¼	71 ×39¾	65½×22	63½	12	4—4 in.	3060	**142**	**8**	**0**	
		* Add 8⅝ inches to allow for Smoke Hood.												

A Set of Trimmings is sent with Boiler, but charged extra **£5 5 3** per set.

TAPPINGS.—Unless otherwise ordered all Boilers will be tapped as above. For each supply outlet on top there is a corresponding return inlet on each side of Boiler, the excess return openings being plugged. Any desired variation in the tappings should be distinctly specified when ordering.

CONNECTIONS.—All openings are tapped standard thread, but we supply free, if ordered with Boiler, either threaded sockets or threaded flanges sufficient for the openings above specified.

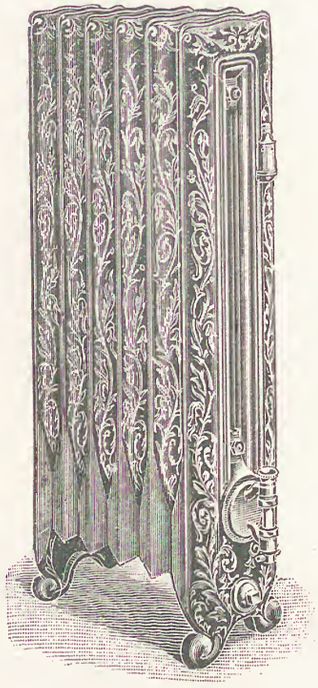
RECOMMENDATION.—Both on account of increased efficiency and in the interests of greater economy, we strongly recommend that all Boilers be thoroughly protected by a substantial covering of Asbestos Cement.



"Champion" Sectional Steam Boiler.

GAS RADIATORS.

No. 4924. **STEAM HEAT WITH GAS FOR FUEL.**



Size—36 in. high × 8 in. wide overall.

Prices—Finished in Gold complete ready for fixing.

No. of Sections	Heating Surface. Square Feet.	Length overall.	Will Heat Cubic Feet.	£ s. d.	Consumption of Gas per Hour.
3	12	11½ in.	1200	**2 19 0**	6 cu. ft.
4	16	14 ,,	1600	**3 9 0**	8 ,,
5	20	16½ ,,	2000	**3 19 0**	10 ,,
6	24	19 ,,	2400	**4 9 6**	12 ,,
7	28	21½ ,,	2800	**4 19 6**	14 ,,
8	32	24 ,,	3200	**5 10 0**	16 ,,
10	40	29 ,,	4000	**6 10 0**	20 ,,
12	48	34 ,,	4800	**7 10 0**	24 ,,

Note.—The consumption of Gas is taken at a pressure of 20 tenths.

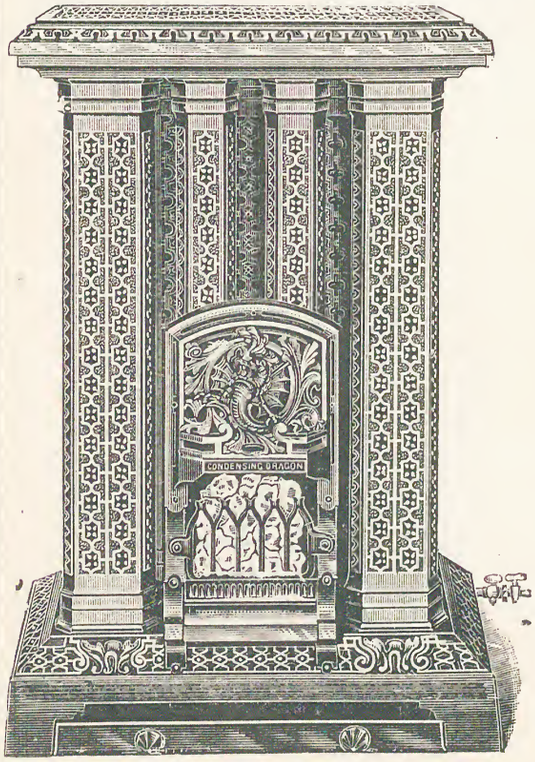
Is simple, safe, clean, healthy, odourless, artistic in design and economical.

These Radiators are constructed on the most scientific principles, so that the consumption of Gas is reduced to the absolute minimum and is only two feet per section per hour.
Each Apparatus is complete in itself, the Boiler and Radiator being in one piece as shown in the drawing.
No Expense for fixing is required, as it is only necessary to connect it with a flexible pipe to the nearest gas jet.
No Flue is Required, so no heat is lost up the chimney as in an ordinary Grate, and thus all heat is given off into the room.
No Offensive Smell is given off so long as there is enough water to show in the gauge glass.
All Valves are Automatic, and when once "set" need no further attention.

Note.— *Our New Base is a great improvement as it so completely protects the burner that the flame will not "strike back" even in a strong draught.*

It is being used in Shops, Showrooms, Offices, Waiting Rooms, Billiard Rooms, Churches, Schools, Gymnasiums, Drawing Rooms, Sitting Rooms, Halls, Bedrooms, Conservatories, &c.

"CONDENSING DRAGON." GAS FIRE RADIATOR.



This Stove is made entirely of cast iron, with ground and glazed surfaces, and finished in the best style. The design is a novel one, and the open full fire and firebrick back increases the amount of radiant heat given out, in addition to improving the appearance of the stove. It is very powerful in action, and gives excellent results in large rooms, offices, shops, halls, &c. No Flue is needed.

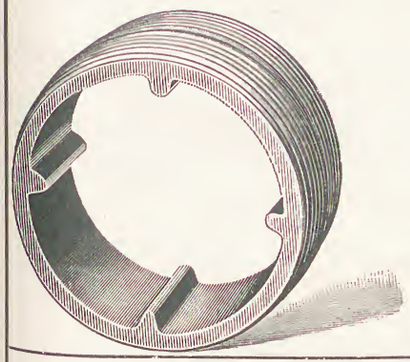
The consumption can be safely reduced to two-thirds the maximum given in table below.

Overall.	Size of Fire. inches.	Consumption. per hour. feet.	Will Heat Room Square feet.	Prices £ s. d
No. 4925. 42 in. high × 25 in. wide × 13 in. deep back to front	6	16	18	**8 15 0** ea.
,, **4926.** 42 in. ,, × 29 in. ,, × 13 in. ,, ,,	8	18	20	**10 11 6** ,,
,, **4927.** 42 in. ,, × 37 in. ,, × 13 in. ,, ,,	10	20	24	**12 18 0** ,,

Supplied complete with Brass Wire Guard in front of fire.

RIGHT AND LEFT-HAND NIPPLES.

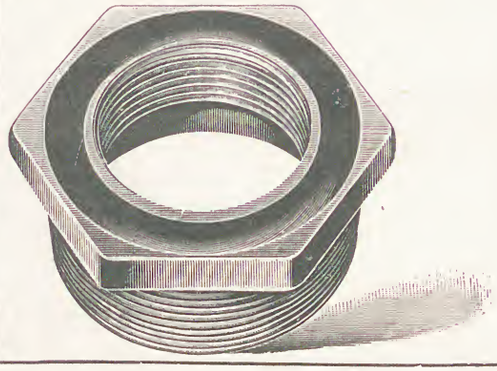
FOR LOOP RADIATORS.



No. 4928

1½ in. Nipples ..	**5/3** doz
2 ,, ,, ..	**6/-** ,,
1 ,, Hexagon Nipples	**12/-** ,,
1¼ ,, ,, ,,	**16/-** ,,
1½ ,, ,, ,,	**24/-** ,,
2 ,, ,, ,,	**36/-** ,,

BUSHINGS FOR RADIATORS.



No. 4929.

2 in. × ¾ in.	**5/3** per dozen.
2 ,, × 1 ,,	
2 ,, × 1¼ ,,	
2 ,, × 1½ ,,	
1½ ,, × ½ ,,	**4/-** per dozen
1½ ,, × ¾ ,,	
1½ ,, × 1 ,,	
1½ ,, × 1¼ ,,	

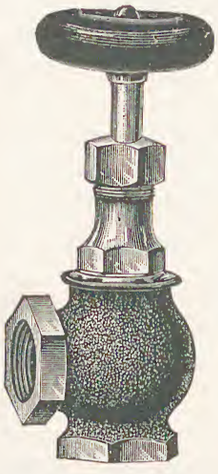
No. 4930. Plugs.

2 in. **4/-** 1½ in. **3/6** per doz.

GUN-METAL RADIATOR VALVES.

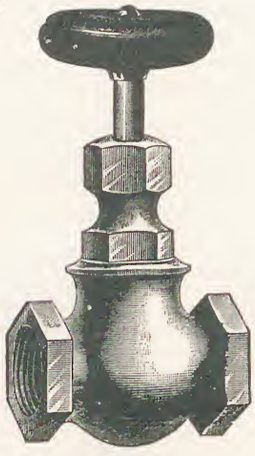
WITH EBONIZED WOOD WHEELS.

Screwed for Wrought Iron Pipe (English Standard Threads).



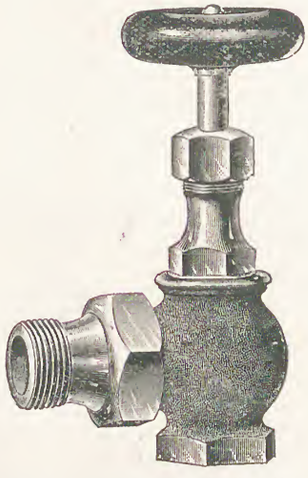
Wood Wheel Angle Radiator Valve.

No. 4931.



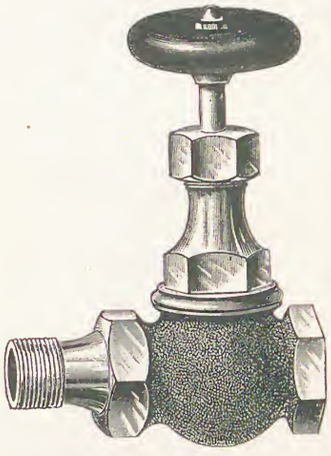
Wood Wheel Globe Radiator Valve.

No. 4932.



Wood Wheel Angle Radiator Valve, with Union.

No. 4933.



Wood Wheel Globe Radiator Valve, with Union.

No. 4934.

ANGLE AND GLOBE RADIATOR VALVES.

WITH GLANDS IN STUFFING BOX.

Size	½	¾	1	1¼	1½	2 ins.	
Nos. 4931 and **4932**. Finished Trimmings, Bronze Seat	**3/9**	**4/9**	**6/3**	**8/9**	**11/9**	**18/3**	each.
Do. do. ,, ,, ,, ,, Nickel-plated	**4/9**	**5/9**	**7/3**	**10/-**	**13/-**	**20/3**	,,
WITH UNION.							
Nos. 4933 and **4934**. Finished Trimmings, Bronze Seat	**5/9**	**6/9**	**8/9**	**11/9**	**15/9**	**24/9**	each.
Do. do. ,, ,, ,, ,, Nickel-plated	**6/9**	**7/9**	**10/-**	**13/6**	**17/3**	**26/6**	,,

GUN-METAL AIR COCKS.



No. 4935.

Wood Wheel.

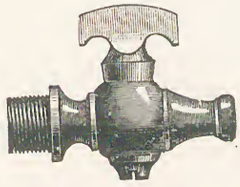
Sizes	⅛	¼ in.
Bright Finished	**1/3**	**1/4** each.
Nickel-plated .	**1/7**	**1/9** ,,



No. 4936.

Brass Wheel.

Sizes,	⅛	¼ in.
Bright Finished	**1/3**	**1/4** each.
Nickel-plated ..	**1/4**	**1/6** ,,



No. 4937.

Single Thread.

Bright Finished.

⅛	¼	⅜	½ in.
1/3	**1/3**	**1/6**	**1/10** each.

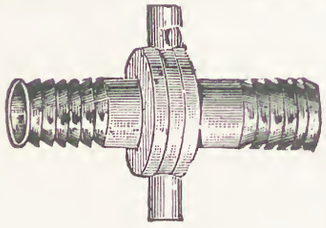


No. 4938.

Automatic "Float" Air Valves, Davis' Straight Stem Auto. Air Valves for Steam and Water Radiators, &c.

Nickel-plated **5/3** each.

BRASS HOSE UNION.



No. **4939.**

Sizes, ½ ⅝ ¾ 1 in.
10/9 14/- 17/3 24/- dozen.

BRASS TUBE HOSE CONNECTION.

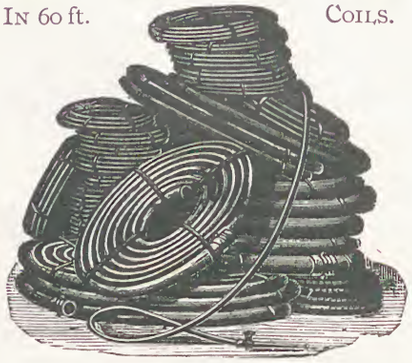


No. **4940.**

Sizes, ⅜ ½ ⅝ ¾ 1 in.
2/3 2/6 2/9 4/- 5/3 dozen.

BEST GARDEN HOSE.

In 60 ft. Coils.



No. **4941.**

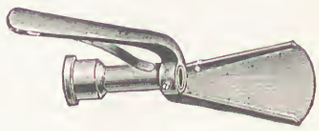
Red or Grey same price. Large Stocks Kept.

	¼ in.	½	⅝	¾	⅞	1 in. inter diam.
1 Ply,	2¾d.	3d.	4d.	4½d.	5½d.	6½d. per foot.
2 Ply,	—	4d.	4¾d.	5½d.	6¼d.	7½d. ,,
3 Ply,	—	4½d.	5½d.	6½d.	7¾d.	8¾d. ,,

10 per cent. extra for cut lengths.
Prices of Delivery and other Hose on Application.

LEADING LINE. 60 ft. ½in. RED GARDEN HOSE, Fitted with Royle's Patent Union and Branch with Rose and Jet.
COMPLETE 23/6 COMPLETE.

BRASS SPREADER WITH JET.



No. **4942.**

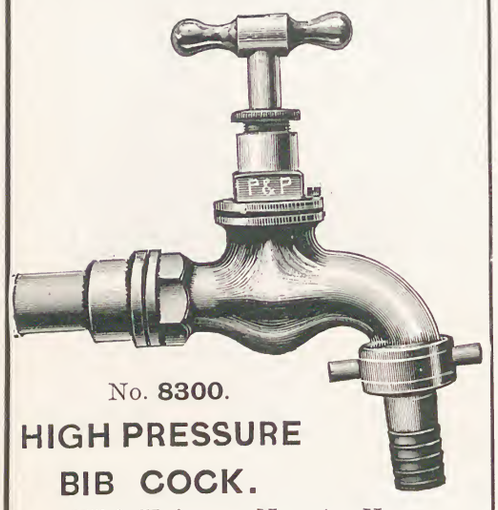
Sizes, ½ ⅝ ¾ 1 in.
20/- 22/- 24/- 28/9 dozen

BRASS HOSE JET.



No. **4943.**

Sizes, ½ ⅝ ¾ 1 in.
5/3 6/9 8/9 11/3 dozen.



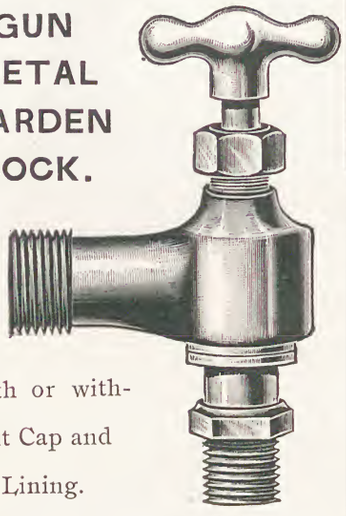
No. **8300.**

HIGH PRESSURE BIB COCK.

With Union on Nose for Hose.

Sizes,	½	¾	1 in.	
Plain Shank ..	**3/-**	**5/-**	**9/3**	each.
Screwed for Iron,	**3/4**	**5/6**	**10/-**	,,
Bossed for Lead,	**3/8**	**6/-**	**11/-**	,,

GUN METAL GARDEN COCK.

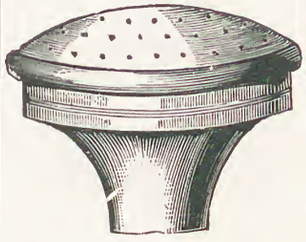


With or without Cap and Lining.

Both ends Screwed Iron.

No. **8347.**	¾	1 in.
With Cap and Lining,	**6/-**	**8/9**
No. **8346.**		
Without do. .. .. each.	**4/9**	**7/-**

BRASS HOSE ROSES.



No. **4947.**

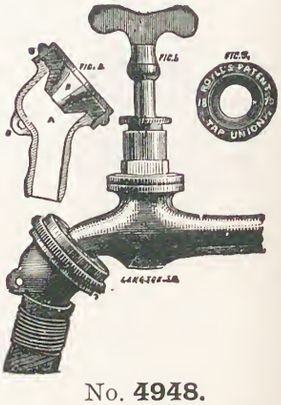
1½ in. Rose for ½ in. pipe, **12/-** dozen.

1¾ in. Rose for ⅝ in. pipe, **15/3** dozen.

2¼ in. Rose for ¾ in. pipe, **22/9** dozen.

3 in. Rose for 1 in. pipe, **38/-** dozen.

ROYLE'S TAP UNION.



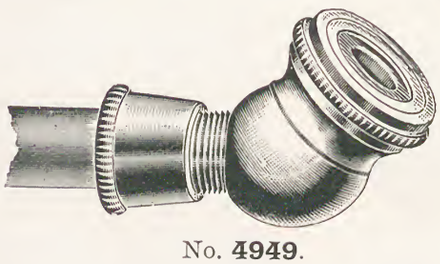
No. **4948.**

No Screw required. Union simply pushed on nose of Tap.

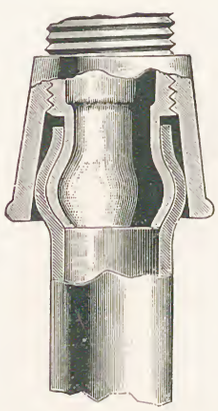
Nos.,	1	2	3	4	5	
For Tap	⅜	½	⅝	¾	1	in.
For Hose	½	½	⅝	¾	1	,,
	10d.	**10d.**	**1/3**	**1/9**	**3/9**	
Extra Washers,	**3d.**	**3d.**	**3½d.**	**4½d.**	**7d.**	each.

THE "AUGUS" BRASS TAP UNION.

Fitted with Patent Hose Connection.—All Cast Brass.



No. **4949.**

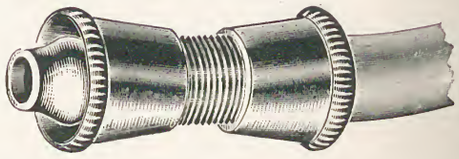


Section showing Hose Connected.

The Hose is attached almost instantaneously by pushing it over the bulb and then screwing the cup tightly on to it, thus making a perfectly water-tight connection (see section showing Hose fastened). Can easily be detached. Far superior & more durable than springs.

To fit Taps,	½	⅝	⅝	¾	¾	¾ in.
To fit Hose,	½	½	⅝	½	⅝	¾ in.
Price,	**18/-**	**25/3**	**25/3**	**30/6**	**30/6**	**30/6** dozen.

THE "AUGUS" BRASS HOSE CONNECTION.

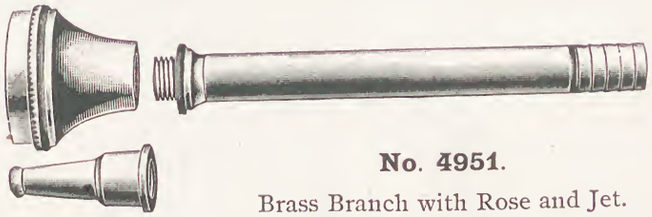


No, **4950.**

Same principle as No. 4949.

Sizes, ½ ⅝ ¾ 1 in.
14/9 17/6 20/9 32/- doz.

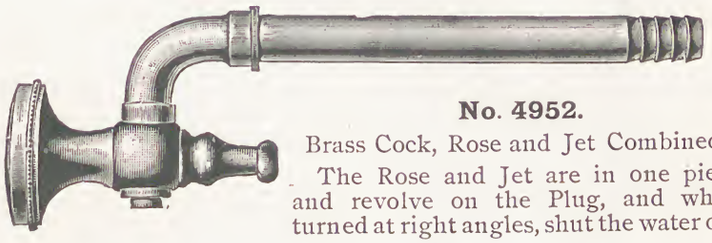
BRASS GARDEN BRANCHES, SYRINGES & SPRINKLERS.



No. 4951.

Brass Branch with Rose and Jet.

Sizes	½	⅝	¾ in.
	22/9	**26/9**	**33/3** doz.

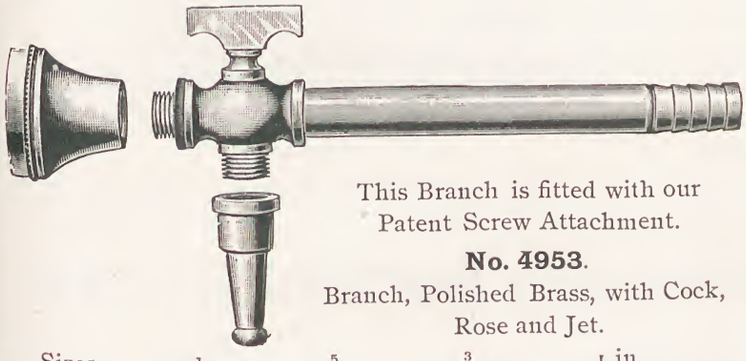


No. 4952.

Brass Cock, Rose and Jet Combined.

The Rose and Jet are in one piece and revolve on the Plug, and when turned at right angles, shut the water off.

Sizes	½	⅝	¾ in.
	22/9	**28/6**	**37/3** doz.



This Branch is fitted with our Patent Screw Attachment.

No. 4953.

Branch, Polished Brass, with Cock, Rose and Jet.

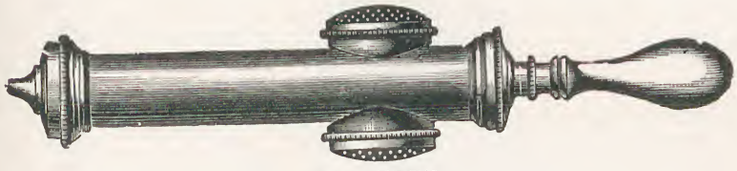
Sizes	½	⅝	¾	1 in.
	33/3	**40/-**	**53/3**	**69/3** doz.



No. 4954.

Polished Brass Syringe with Rose and Jet.

1¼×14	1¼×16	1½×16	1½×18 ins.
3/9	**4/-**	**4/3**	**4/6** each

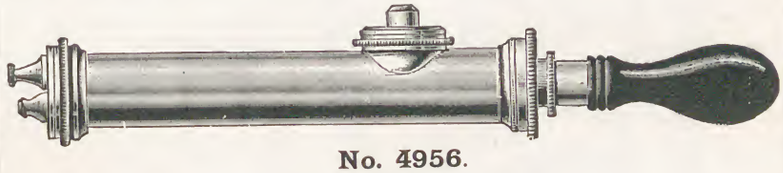


No. 4955.

Polished Brass Syringe.

Best Quality, Extra Strong, with Stuffing Box.

1¼×16	1½×16	1½×18	1¾×16	1¾×18	1¾×20 ins.
8/-	**9/-**	**9/3**	**12/3**	**13/-**	**13/6** each



No. 4956.

Polished Brass Syringe.

Special Quality, Extra Strong. One Rose with quick-filling Cone, Centre Valve and Independent Cone Valve to Jet combined. Packed and **Leather Cup Plunger.**

1¼×16	1½×18	1¾×20 ins.
9/-	**11/3**	**15/3** each



No. 4957.

Garden Pump,

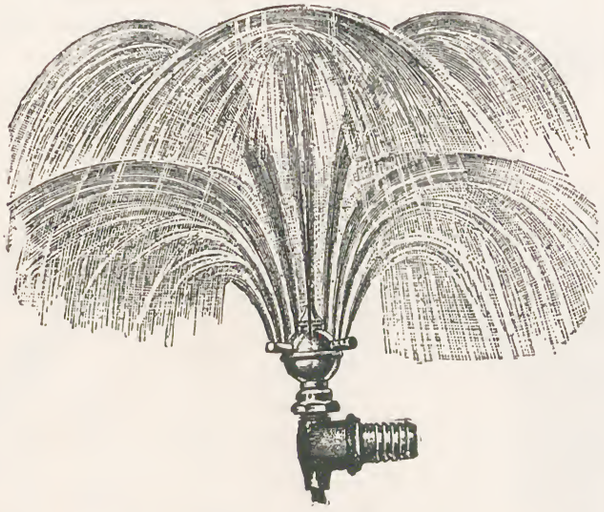
Strong Zinc.

27/-

per doz.

Splendid Article for Window Cleaning.

REVOLVING LAWN SPRINKLER.



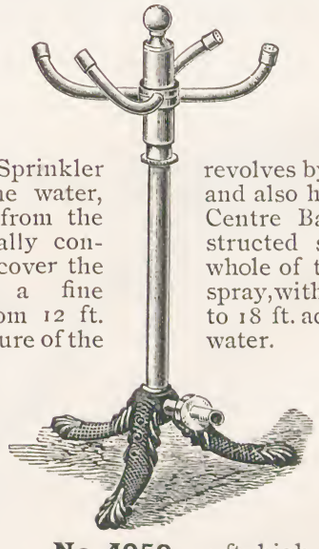
No. 4958. Spike 6 ins. long.

Sold in very large quantities. Special value.

Price 3/9 each.

REVOLVING LAWN SPRINKLER

Strong and Well-made.

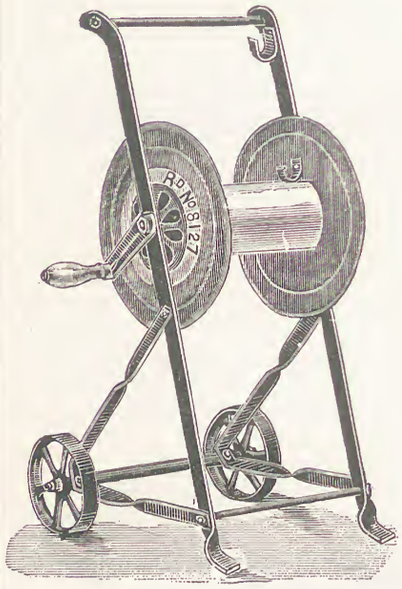


This Sprinkler revolves by the force of the water, and also has vertical Jets from the Centre Ball, and is specially constructed so that it will cover the whole of the ground with a fine spray, within a radius of from 12 ft. to 18 ft. according to pressure of the water.

No. 4959. 3 ft. high.

4 arm. **16/-** 8 arm. **20/-** each.

HOSE REELS.



No. 4960.

STRONG, CHEAP AND GOOD.

No. 4960.

Japanned Red and Green.

No. 1.	No. 2.	No. 3.	
9/3	**12/6**	**14/3**	ea.

Galvanized.

No. 1.	No. 2.	No. 3.	
11/6	**15/3**	**17/9**	ea.

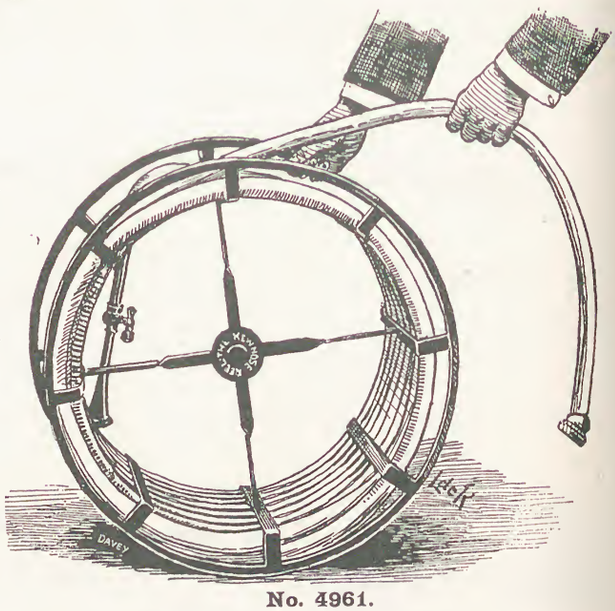
No. 1 will hold 120 feet ½-in. Hose.
No. 2 will hold 120 feet ¾-in. Hose.
No. 3 will hold 180 feet ¾-in Hose.

No. 4961.

The great advantages of this Reel are Strength, Cheapness, Lightness, Portability, Quickness of Coiling and Uncoiling the Hose, and it does not injure the same by contraction or kinking.

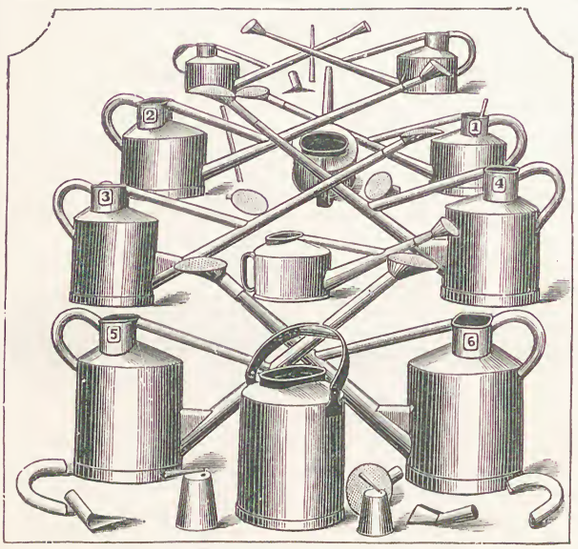
It takes very little room and therefore can be more conveniently housed when out of use than the old pattern.

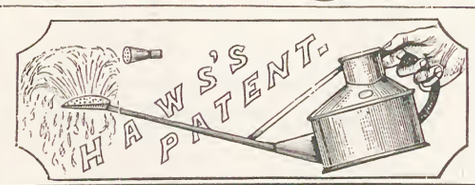
		Price. Painted.	Galv'd.
Size 1. 22×9	to hold 120ft. ½in. Hose		
,, ,, ,,	,, 100ft. ⅝in. Hose	**6/9**	**8/-**
,, ,, ,,	,, 60ft. ¾in. Hose		
Size 2. 26×11	to hold 180ft. ½in. Hose		
,, ,, ,,	,, 150ft. ⅝in. Hose		
,, ,, ,,	,, 120ft. ¾in. Hose	**9/3**	**11/3**
,, ,, ,,	,, 60ft. 1 in. Hose		
Size 3. 30×14	to hold 240ft. ⅝in. Hose		
,, ,, ,,	,, 220ft. ¾in. Hose		
,, ,, ,,	,, 120ft. 1 in. Hose	**13/3**	**17/9**
,, ,, ,,	,, 80ft. 1¼in. Hose		
Size 4. 36×17½	to hold 360ft. ¾in. Hose		
,, ,, ,,	,, 240ft. 1 in. Hose		
,, ,, ,,	,, 120ft. 1¼in. Hose	**22/3**	**28/-**
,, ,, ,,	,, 100ft. 1½in. Hose		
,, ,, ,,	,, 60ft. 2 in. Hose	Each.	



No. 4961.

PATENT HOSE REEL.





THE IMPROVED WATERING CAN.

	Capacity.	
Table Decorating Can, **No. 4962**	one pint	**2/-** each.
Ladies' Can, one Pot Rose, **No. 4963**	one quart	**2/9** ,,
,, ,, ,,	two ,,	**4/-** ,,
No. 4964, Sprayers for Nosegays		**1/6** ,,
Shelf Can, 9-in. Spout, one Pot Rose and extra joint, **No. 4965**	two ,,	**3/9** ,,
,, ,, ,, ,, ,,	three ,,	**4/9** ,,
No. 1 Propagating Can, two Roses and extra joint for Spout, **No. 4966**	three ,,	**6/-** ,,
,, 2 Greenhouse ,, two ,, **No. 4967**	four ,,	**6/9** ,,
,, 3 Nurseryman's Can, two Roses, iron bound, **No. 4968**	six ,,	**8/-** ,,
,, 4 ,, ,, Rose Can, two Roses, iron bound, **No. 4969**	eight ,,	**9/-** ,,
,, 5 ,, ,, one Rose, one Spreader, **No. 4970**	ten ,,	**9/9** ,,
,, 6 ,, ,, ,, **No. 4971**	twelve ,,	**11/6** ,,

All with strong Brass Sockets and Unions.

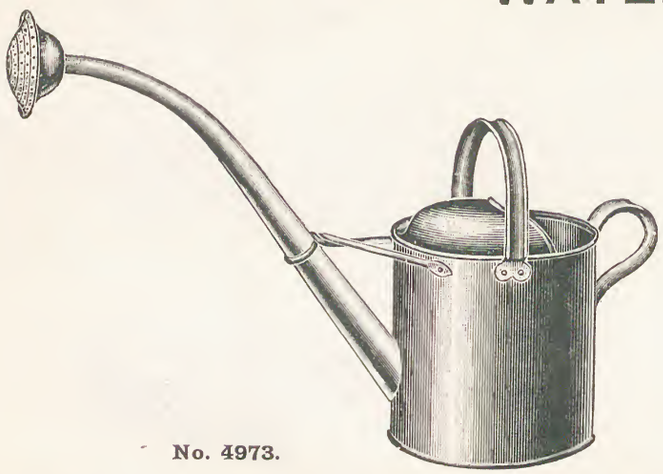
No. 4972. Three and Four gallon Improved Water Carriers, **6/-** and **7/3**.

The large Cans have a Galvanized Iron Hoop round the bottom, and good, strong, heavy bottoms inserted, and guaranteed to last longer than ordinary cans.

The recent demand for these practical and useful Cans renders any comment unnecessary.

None Genuine without Haws's Brass Label.

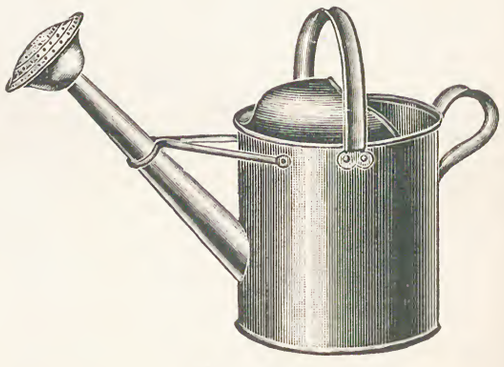
WATERING CANS.



No. 4973.

Stamped top and bottom, long Bent Spout, Brass Fronted Rose, with Brass Screw Joint.

1	1½	2	2½	3	3½	4 gallons.
3/3	**3/9**	**4/-**	**4/3**	**4/3**	**4/6**	**5/-** each.

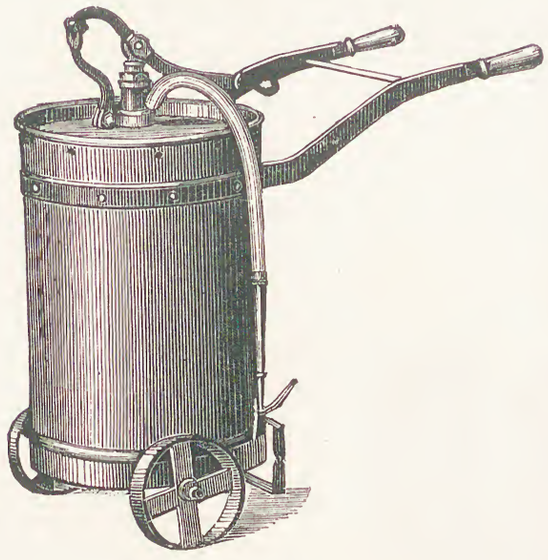


No. 4974.

Stamped top and bottom, Brass Fronted Rose, with Brass Screw Joint.

1	1½	2	2½	3	3½	4 gallons.
3/-	**3/3**	**3/6**	**3/9**	**4/-**	**4/3**	**4/6** each.

GARDEN ENGINE.



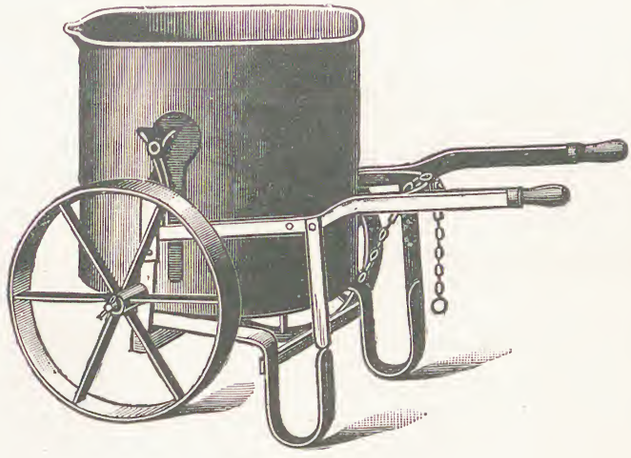
No. 4975.

Improved Villa Garden Engine, with Registered Jet and Spreader.

Width outside wheels.	Gallons.	**Prices.**
21 ins. ..	9 ..	**82/-** each.
20½ „ .	6 ..	**63/3** „

With strong Galvanized Iron and Painted Tubs.

SWING WATER BARROW.



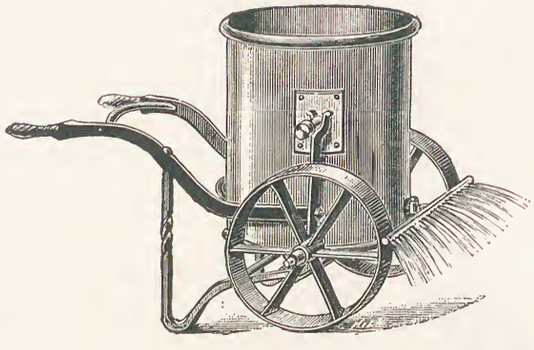
No. 4976.

Wrought Iron Frame, Galvanized Tank, with Lip, Malleable Bearings.

Sizes,	12	20	30	40 gallons.
Width outside Wheels,	25	28	30	31 ins.
Price	**28/3**	**37/6**	**45/6**	**57/6** each.
Tanks only ..	**11/9**	**16/6**	**20/6**	**27/6** „
Covers	**4/-**	**5/-**	**5/3**	**8/-** „
With Wrot Iron Wheels ..	**7/-**	**8/3**	**9/6**	**9/6** extra.

With Tipping Chain, **3/6** each extra.

WATER BARROW.

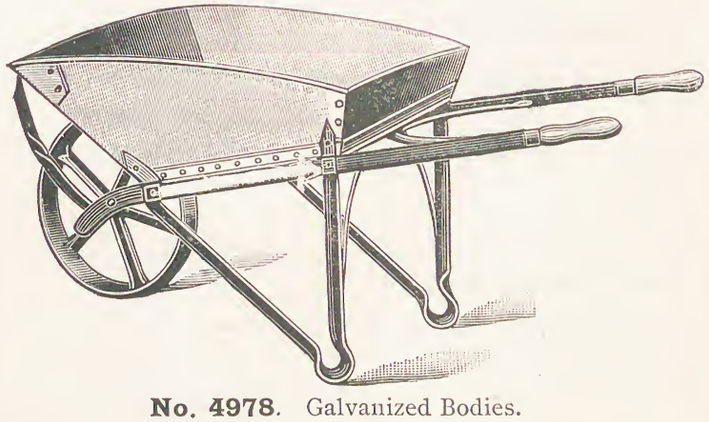


No 4977.

With Cock and Lawn Spreader.

20	30	40 gallons.
81/-	**94/6**	**112/6** each

STRONG WROUGHT IRON WHEELBARROW.

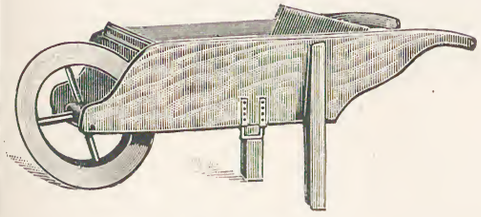


No. 4978. Galvanized Bodies.

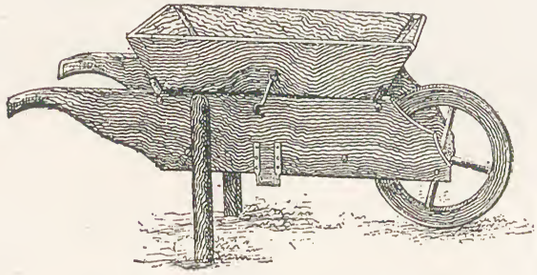
Sizes	23×20	27×22	30×25	34×28 ins.
	21/-	**26/6**	**33/6**	**38/3** each.

No 4979. "Our Boys," 17×15 in. body, **9/6** each.

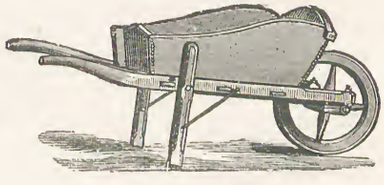
GARDEN BARROWS.



No. 4980.
Price, 31/- each.
Painting **3/-** each extra.



No. 4981. With Moveable Top.
Price, 36/6 each.
Painted **3/6** each extra.



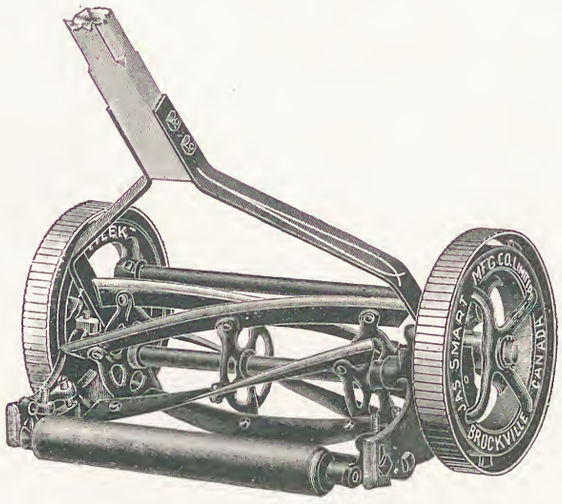
No. 4982.
Superior Garden Barrow. Painted.
Price, 41/9 each.

Elm body, Oak Legs, Wood Wheel with 2-in. Iron Tyre, Front and Back 15 ins. wide, Sides 12 ins. wide. The whole can be taken to pieces for storing.

Elm Body, Ash Handles and Top Rail, remainder oak, Legs have Iron Stays, Wood Wheel with 2-in. Iron Tyre, Sides 12 ins. wide, Frontboard 15 ins. wide. Moveable Tailboard 8 ins. wide.

LAWN MOWERS.

"Canadians" are sent from London Stock Carriage Forward, other makes from Works Carriage paid.

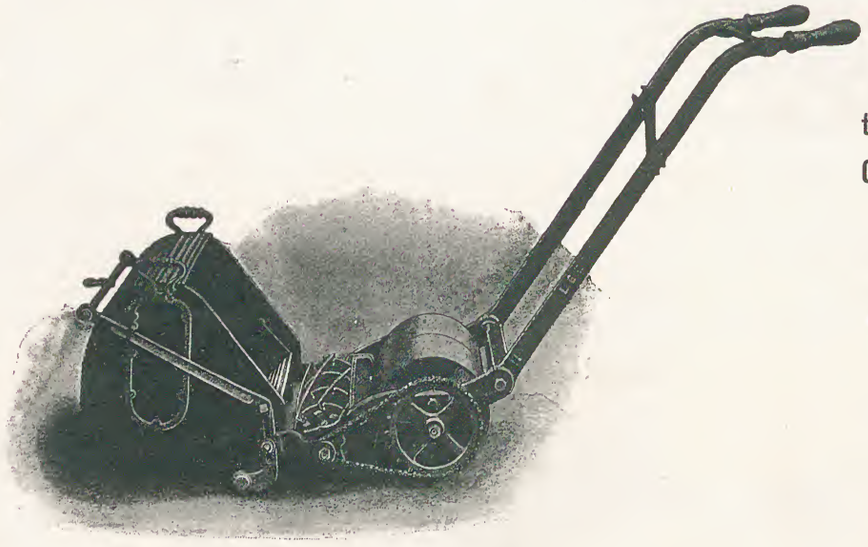


"Canadians" are sent from London Stock Carriage Forward, other makes from Works Carriage paid.

LIGHT DRAUGHT MOWERS.

	Sizes	9	10	11	12	13	14	15	16 ins.
"Canadian" as shown		—	24/-	—	26/9	—	29/3	—	32/- each.
Shank's "Britisher"		—	26/9	—	28/6	—	30/9	—	— ,,
Green's "New Century"		27/3	—	29/6	—	32/-	—	34/-	— ,,
Ransome's "Lion"		27/3	—	29/6	—	32/-	—	34/-	— ,,
GRASS BOXES "Canadian's"		—	6/9	—	6/9	—	6/9	—	6/9 each extra.
"Shank's"		—	5/9	—	6/9	—	8/-	—	— ,,
Green's and Ransome's ..		4/9	—	5/6	—	5/9	—	6/3	— ,,

These prices include delivery to most Railway Stations in Great Britain.



These prices include delivery to most Railway Stations in Great Britain.

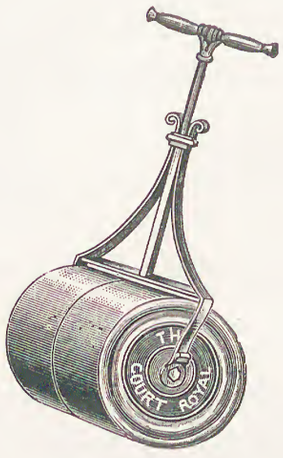
CHAIN GEARED MOWERS.

Sizes	6	8	10	12	14	16	18	19	20	22	24 ins.
Shank's "Standard"	—	—	88/-	110/9	136/-	158/9	184/-	190/-	—	209/9	221/- each.
Green's "Silens Messor" as shown	45/3	62/3	88/-	110/9	136/-	158/9	184/-	—	195/6	209/9	221/- ,,
Ransome's "Automaton" ..	—	62/3	88/-	110/9	136/-	158/9	184/-	—	195/6	209/9	221/- ,,

Prices include Grass Boxes.

GARDEN ROLLERS. CARRIAGE PAID TO ANY GOODS STATION IN ENGLAND.

THE "COURT ROYAL."

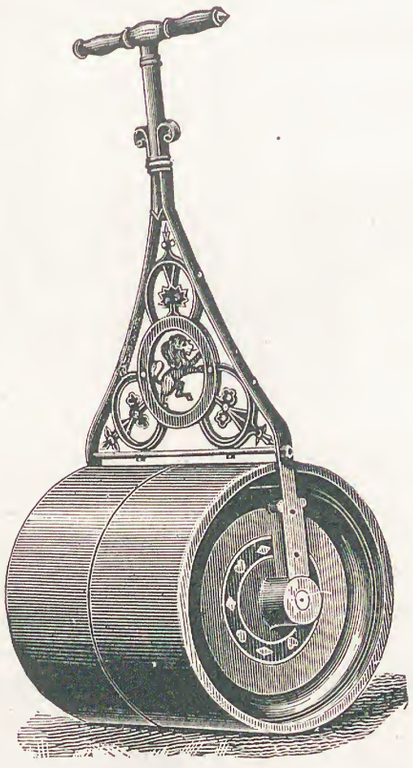


No. 4983.

With Double Cylinder, Solid Ends, Rounded Edges.
Prices and Weights as follows:—

Sizes. Diam. Ins.		Width. Ins.	Weights. Cwt.	qrs.	lb.	Prices. £	s.	d.	
16	×	17	2	1	4	**2**	**10**	**0**	ea.
18	×	19	2	2	20	**2**	**18**	**9**	,,
20	×	21	3	1	22	**3**	**7**	**6**	,,
22	×	23	4	1	2	**4**	**2**	**3**	,,
24	×	25	5	0	7	**4**	**14**	**0**	,,
26	×	27	6	1	21	**5**	**17**	**6**	,,
28	×	29	7	0	26	**7**	**1**	**0**	,,
30	×	31	7	3	18	**8**	**4**	**6**	,,

THE "BLENHEIM."

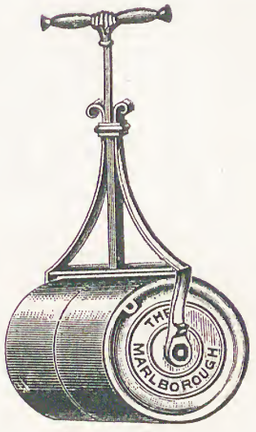


No. 4984.

Strong Double Cylinder.
Rounded Edges and Balance Handles.
The Joining Edges are faced in the Lathe.
Finished in Three Colours.

Size.			Weight. Cwt.	qrs.	lb.	£	s.	d.	
14	×	14	1	2	0	**2**	**1**	**6**	ea.
16	×	16	1	3	0	**2**	**2**	**9**	,,
18	×	18	2	1	10	**2**	**8**	**9**	,,
20	×	20	3	0	0	**3**	**0**	**0**	,,
22	×	22	3	2	10	**3**	**15**	**9**	,,
24	×	24	4	0	0	**4**	**7**	**3**	,,

THE "MARLBOROUGH."



No. 4985.

Water and Sand Ballast.
With Double Cylinder, Rounded Edges.
N.B.—Weight can be regulated to suit requirements of Ground.

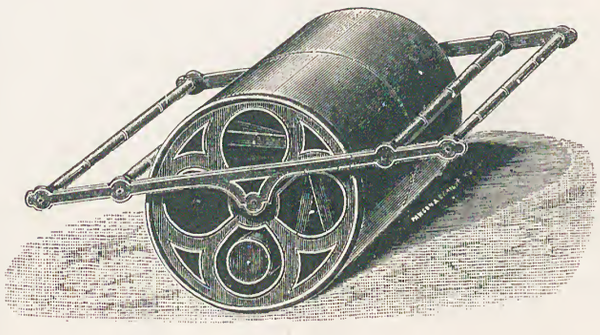
Prices and Weights as follows:—

Sizes. Dia. Ins.		Width. Ins.	Weights. Empty. Cwt.	qrs.	lb.	Weights. Full. Cwt.	qrs.	lb.	Prices. £	s.	d.	
18	×	19	3	2	0	4	1	0	**3**	**14**	**0**	ea.
20	×	21	4	2	0	5	2	0	**4**	**10**	**0**	,,
22	×	23	5	2	0	7	0	0	**5**	**11**	**6**	,,
24	×	25	6	1	21	8	3	0	**7**	**1**	**0**	,,
26	×	27	8	2	21	11	0	0	**8**	**16**	**3**	,,
28	×	29	9	0	0	12	0	0	**10**	**11**	**6**	,,
30	×	31	10	0	0	14	0	0	**12**	**6**	**9**	,,

GOLF GREEN ROLLERS.

A Light, Wide Roller, fitted with Box for collecting Worm Casts,
18 × 10 in., **72/9.** 24 × 10 in., **75/9.** 30 × 10 in., **78/3.** Each.

CRICKET GROUND ROLLERS.

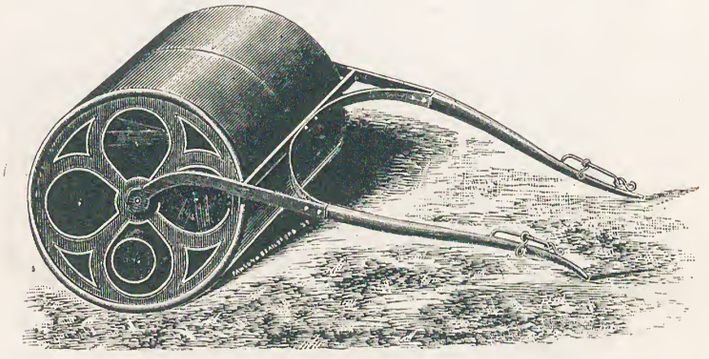


No. 4986.

With Handles for Hand Power, Double Cylinder and Rounded Edges.
Painted in Colours and well finished.

Sizes and approximate weights:—

Dia. Ins.		Width. Ins.	Weights. Cwt.	qrs.	lb.	Price. £	s.	d.	
30	×	31½	9	3	0	**10**	**0**	**0**	each.
30	×	36	10	0	0	**11**	**2**	**6**	,,
36	×	36	15	2	0	**14**	**2**	**0**	,,
42	×	42	21	0	0	**18**	**16**	**0**	,,
42	×	48	22	3	0	**20**	**11**	**6**	,,
48	×	54	32	0	0	**28**	**5**	**0**	,,



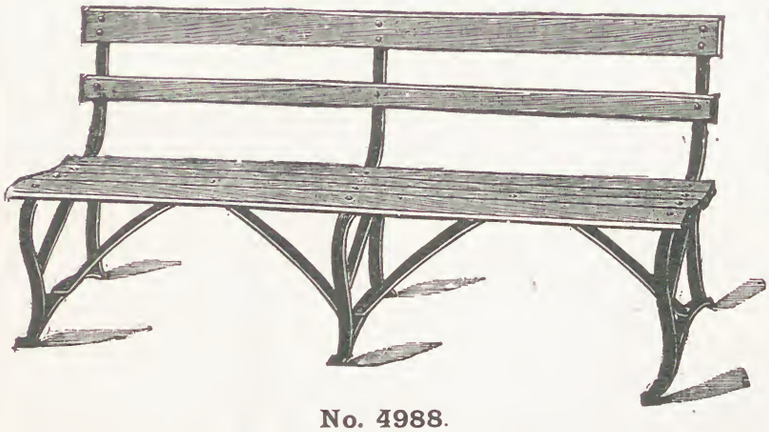
No. 4987.

Double Cylinder and Rounded Edges, with Wrot Tubular Shafts for Pony.
Painted in Colours and well finished.

Sizes and approximate weights:—

Dia. Ins.		Width. Ins.	Weights. Cwt.	qrs.	lb.	Price. £	s.	d.	
30	×	31½	9	1	0	**11**	**2**	**6**	each.
30	×	36	12	0	0	**12**	**12**	**6**	,,
36	×	36	15	0	0	**15**	**5**	**0**	,,
42	×	42	18	1	0	**19**	**7**	**6**	,,
42	×	48	20	2	0	**21**	**2**	**6**	,,
48	×	54	31	0	0	**28**	**5**	**0**	,,

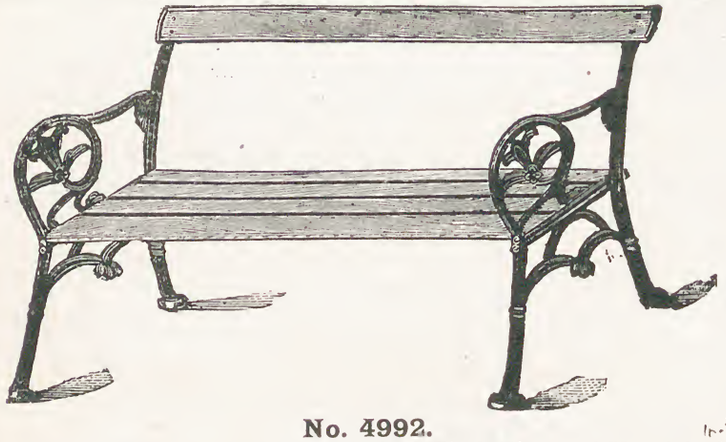
GARDEN SEATS.



No. 4988.
A very strong, comfortable Seat, with strong wrought iron supports, specially suitable for Public Halls, Club, Mission and LectureRooms, for which purpose a large number have been supplied. The splints are Varnished Pitch Pine, and standards painted any colour.

	2 Standards.	3 Standards.	
	6 ft.	7 ft.	8 ft.
	25/-	**32/6**	**37/-** each.

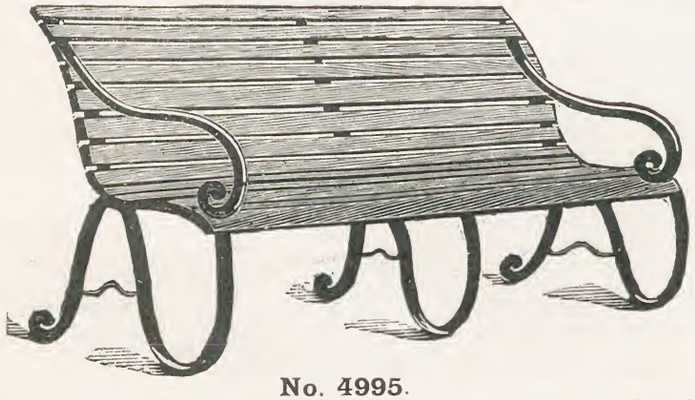
No. 4989. Foot Rests. **7/9** each.



No. 4992.
As engraving, bottom and back, best Pitch Pine and Varnished, ends bronzed and varnished.

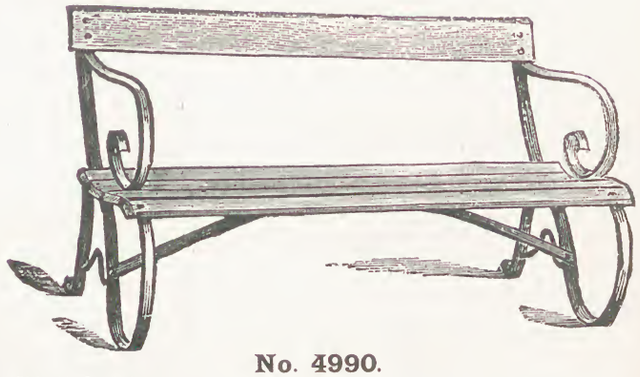
54	60	66	72 ins. long.
30/6 ..	**31/9** ..	**35/3** ..	**39/6** each.

This can be supplied any length.



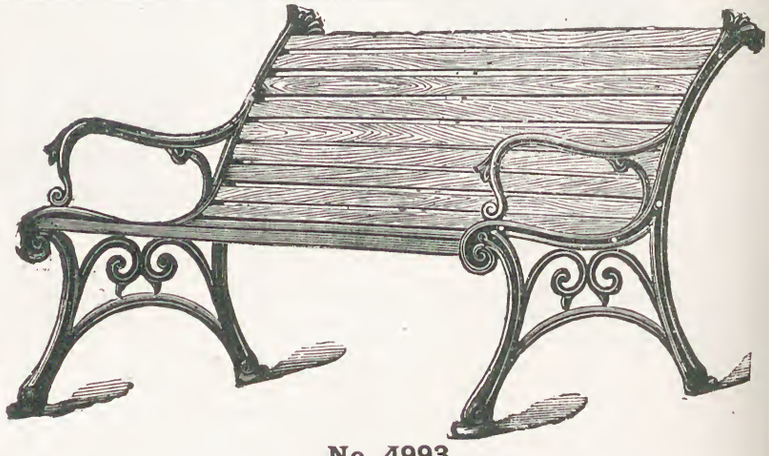
No. 4995.
Strong Wrought Iron Standards, and Pitch Pine, Varnished.

	With Two Standards.		With Centre Standard.			
	4 ft. 6 ins.	5 ft.	5 ft. 6 ins.	6 ft.	7 ft.	8 ft.
Prices, ..	**29/6**	**30/-**	**31/-**	**32/6**	**39/6**	**44/-** each.
No. 4996. Foot Rests	**6/3**	**6/6**	**7/3**	**7/9**	**8/9**	**10/-** ,,



No. 4990.
Well finished and strong. Wrought Iron Standards. Pitch Pine and Varnished.

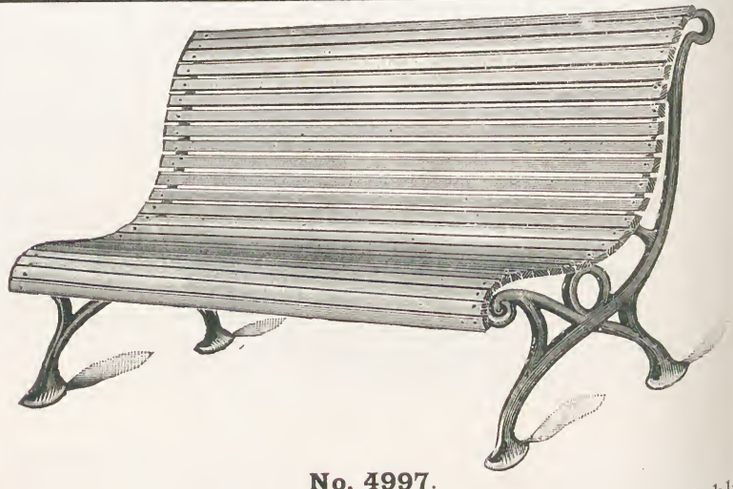
		With Centre Standards.				
	4 ft. 6 ins.	5 ft.	5 ft. 6 ins.	6 ft.	7 ft.	8 ft.	9 ft.
Prices ..	**17/-**	**17/9**	**18/6**	**19/6**	**28/9**	**31/6**	**35/-** each.
No. 4991. Foot Rests	**6/-**	**6/6**	—	**7/9**	—	—	— ,,



No. 4993.
Above is a very strong Seat, best Pitch Pine Laths Varnished, bolted to the ends.

		With Centre Standard.		
Lengths	6 ft.	7 ft.	8 ft.	9 ft.
Price	**39/6**	**51/-**	**55/9**	**61/-** each.
No. 4994. Foot Rests	**7/-**	**8/9**	**10/-**	**11/3** ,,

This can be supplied any length



No. 4997.
An elegant, comfortable Lounge Seat, suitable for Parks, Public and Private Gardens. Laths Pitch Pine varnished or painted green, standards painted and bronzed.

Sizes ..	5 ft. with 2 Standards.	6 ft. with 3 Standards.
Prices ..	**39/-** ..	**52/6** each.

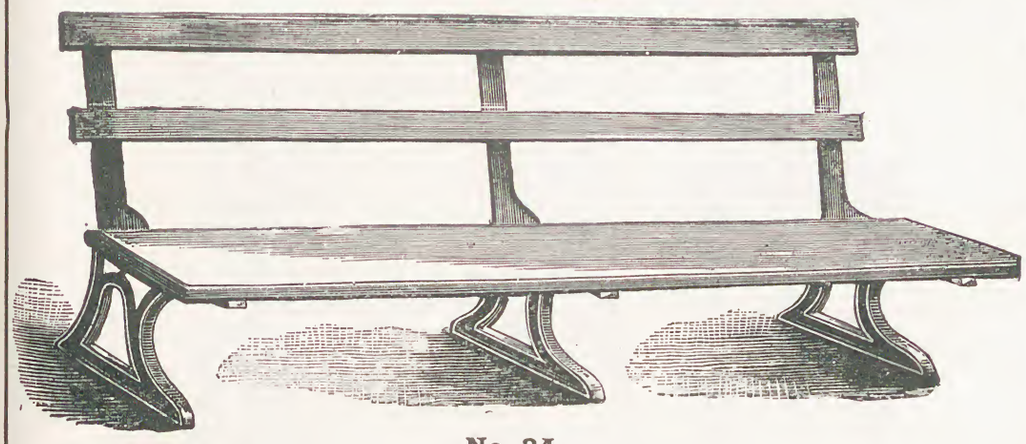
No. 4998.
Light Wood Footboards.



Pitch Pine Varnished.

4	5	6 ft. length.
Price **3/3**	**4/9**	**6/-** each.

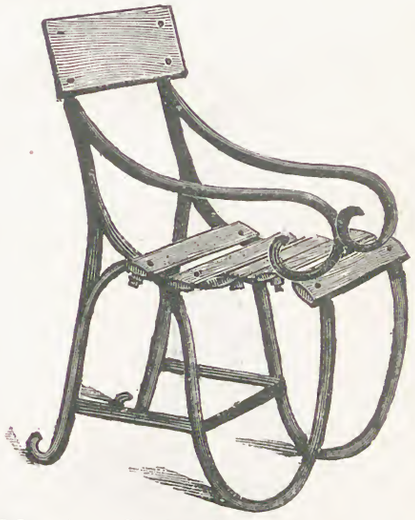
GARDEN SEATS, ETC.



No. 34.

Very strong, useful Seat, and suitable for Public Parks, Railway Stations, and Promenades. Best Pitch Pine, and Varnished.

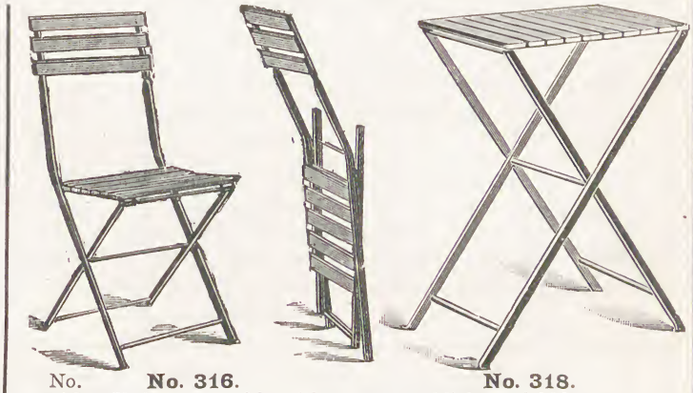
	6 ft., 2 Standards.	8 ft., 2 Standards.	8 ft., 3 Standards.	9 ft., 3 Standards.	10 ft., 3 Standards.
Price	**37/6**	**44/9**	**47/-**	**50/-**	**57/-** each.



No. 36.—Arm Chair, with strong Wrought Iron Framework, Green Painted, Wood Laths, Pitch Pine and Varnished.
Price 10/9 each.

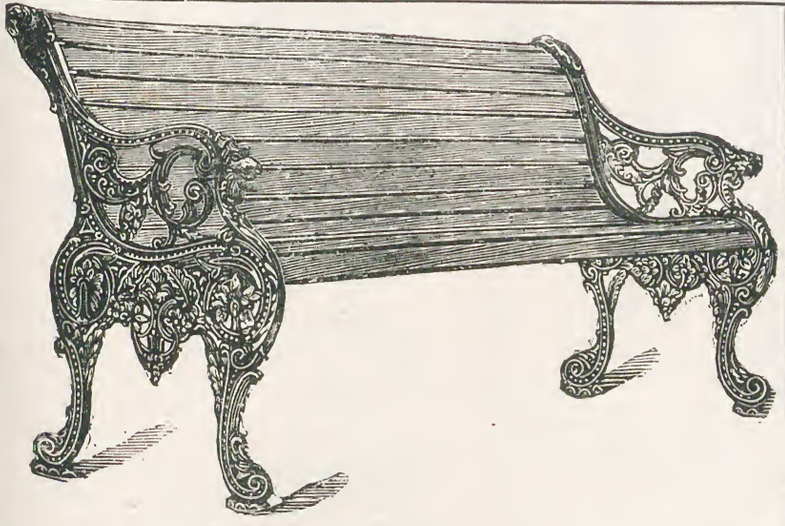


No. 315. Folding Seat, a strong, comfortable and well-finished Seat, folding close for storing. Suitable for Gardens, Lawns, &c. Wrought-iron Standards painted, Woodwork Pitch Pine, Varnished .. 5 ft. long **27/6** each.



No. **No. 316.** **No. 318.**

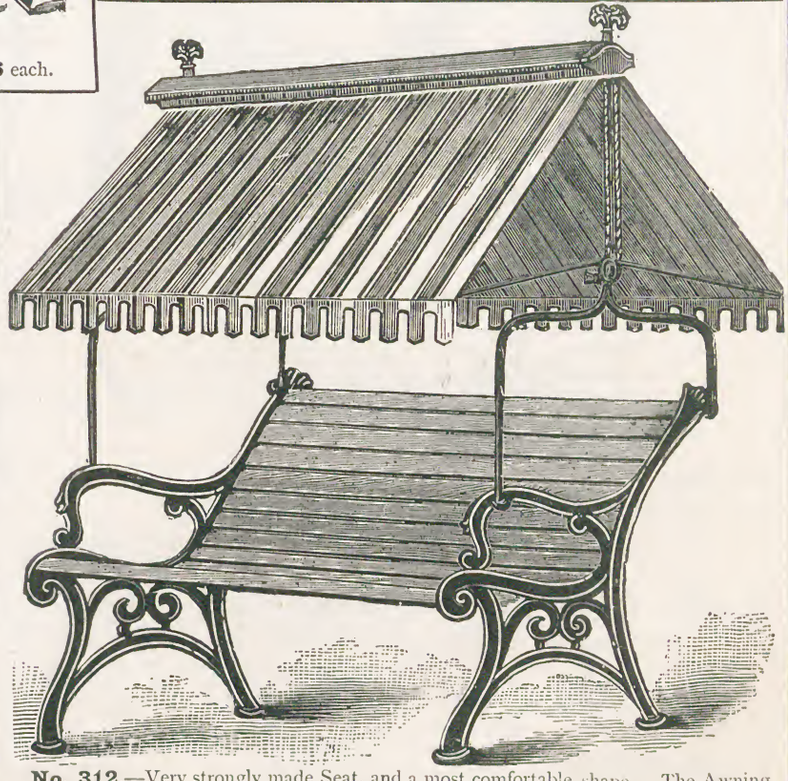
316.—Chair, very useful article, strong and light, and folds very closely.. .. .. **4/9** each.
317.—Extra strong "London County Council" Park pattern **6/6** ,,
318.—Table made similar to the No. **316** Chair, very portable, Laths are best Pitch Pine and Varnished, 22×20 ins. **8/9** ,,



No. 310.

Fitted with best Pitch Pine Laths, Varnished, Bronzed Ends, Highly Finished and Varnished.

	60 ins.	66 ins.	72 ins. long.
Price	**44/-**	**46/6**	**49/3** each.
No. 311. Foot Rests	**6/9**	**7/-**	**7/9** each.



No. 312.—Very strongly made Seat, and a most comfortable shape. The Awning Frame is strongly made and well secured to the Standards. The winding arrangements have been very much improved and work perfectly. 6 ft. long, **£5 12 6** each.
No. 313.—Foot Rests, **7/9** each. **No. 314.**—Covers to protect awning, **10/-** each.

GARDEN AND RESTAURANT TABLES.



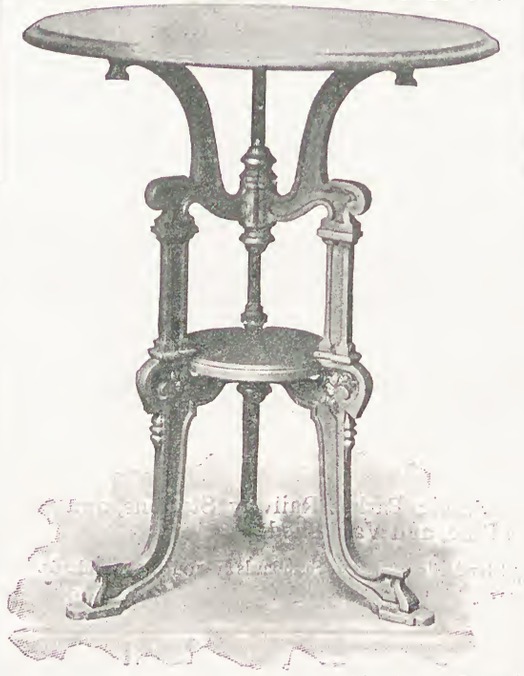
No. **319**. Set of Castings fitted complete ready for fixing top, unpainted, **14/3** per set.

No. **320**. Bronzed .. .. **17/9** ,,

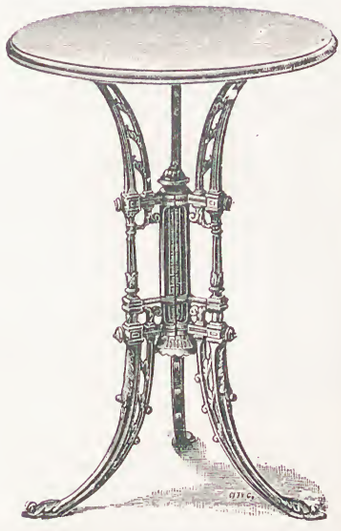
No. **321**. Table complete, Castings Bronzed with 25 in. O G. Edge, Polished Baywood Top .. .. .. **34**/- each.

No. **322**. If with 24 in. Round Edge Sicilian Marble Top.. .. .. **35**/- each.

No. **323**. If with 24 in. Round Edge, St. Ann's or Rouge Royal Marble Top, **46/6** each.



	Fine Cast. Unpainted.	Fine Cast one coat of paint.	Painted and Bronzed.
No. **324**. Standards, no Top	**9/6**	**10/6**	**12/9**
,, **325**. With 25in. Polished Baywood Top, Round Edge	**24/3**	**25/3**	**27/6**
,, **326**. With 25 in. Do., O.G. Moulded Edge ..	**25/3**	**26/9**	**28/9**
,, **327**. With 24in. Polished Sicilian Marble Top, Round Edge	**26/9**	**27/9**	**30/-**
,, **328**. With Do., do. in St. Ann's or Rouge Royal Marble Top .. each.	**38/6**	**39/6**	**41/6**



Diameter of Top, 21 ins. Painted & Bronzed.

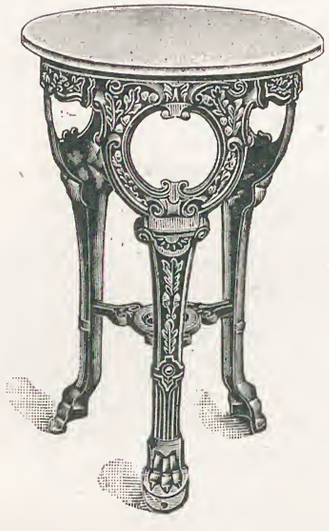
No. **329**. Standards, no top **9/9** each.

,, **330**. With Polished Baywood Top, Round Edge, 21 ins .. .. .. **23/3** ,,

,, **331**. With Polished Baywood Top, O.G. Edge, 21 ins. .. .. .. **24/3** ,,

,, **332**. With Sicilian Marble Top, Round Edge, 20½ ins. .. .. .. **23/6** ,,

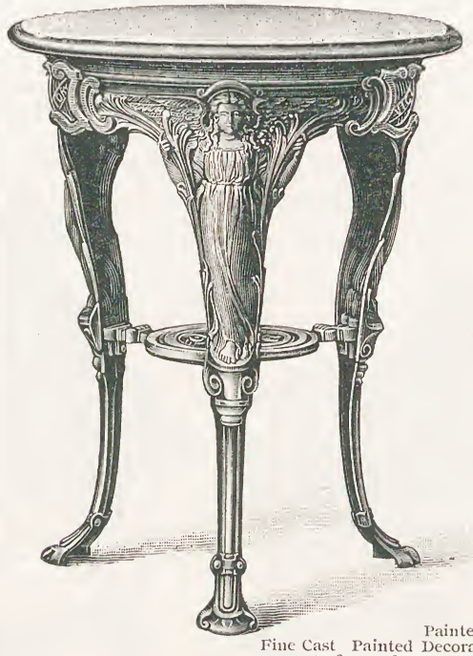
334. With St. Ann's or Rouge Royal Marble Tops, Round Edge, 20½ ins. .. .. .. **31/-** ,,



No. **335**. With Top.
Height of Ironwork 28 ins. For Tops 18 ins. diameter, and upwards, with holes in feet for screwing to floor.

No. **335**. Table as shown, but without Top.
A—Unpainted. B—Painted. C—Bronzed.
11/- **14/-** **15/-**

No. **336**. Circular Mahogany Tops, with Round Edges, 18ins. 21ins. 24ins. diam.
13/- **15/9** **17/9** ea. extra.



	Fine Cast one coat of Paint.	Painted and Bronzed.	Painted Decorated. & Relieved in Gold.
No. **337**. Standards, no top	**14/3**	**16/9**	**37/6**
,, **338**. With 25in. Polished Baywood Top, Round Edge	**29/-**	**31/6**	**52/3**
,, **339**. With 25in. Polished Baywood Top, O.G. Moulded Edge ..	**30/-**	**32/9**	**53/6**
,, **340**. With 24in. Polished Sicilian Marble Top, Round Edge	**31/6**	**34/-**	**54/9**
,, **341**. With 24in. St. Ann's or Rouge Royal Marble Top, Round Edge .. each.	**43/-**	**45/6**	**66/3**

If Standards wanted, Fine cast only, 9d. each less.



Set of Castings, fitted complete, ready for fixing Top,

No. **342**. Fine Cast, unpainted .. **13/6**
Fine ,, one coat of paint **14/3**
Bronzed **16/9**

Table complete as shown, with Tops as undernoted, and Castings Bronzed.

No. **343**. With 25in. Polished Baywood Top, Round Edge .. **31/6**

,, **344** With 24in. Polished Sicilian Marble Top, Round Edge **34/-**

,, **345**. With 24in. St. Ann's or Rouge Royal Marble Top, Round Edge .. .. .. **45/6** each.

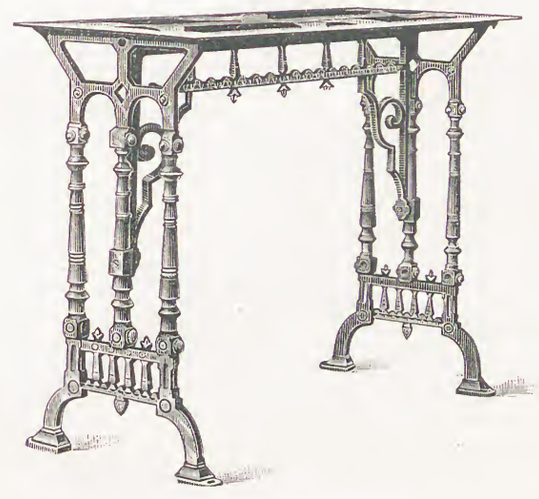
GARDEN AND RESTAURANT TABLES.



No. 346. CASTINGS ONLY, set of two Standards { Fine Cast, unpainted ... ... 8/9 ; Fine Cast, one coat of paint ... 9/6 ; Bronzed 11/3

EXTRAS.
Wrought Tie Rod to suit Tops ... 36in. 2/9 ; 42in. 3/- ; 48in. 3/3 each.

Table complete with set of two Standards and Wrought Iron Tie Rod.	Fine Cast, Unpainted.				Fine Cast, Painted One Coat.				Painted and Bronzed.				
	36in. × 18in.	42in. × 18in.	48in × 21in	48in. × 24in.	36in. × 18in.	42in. × 18in.	48in. × 21in.	48in. × 24in.	36in. × 18in	42in. × 18in.	48in. × 21in	48in. × 24in.	
No. 347. With Polished Baywood Top, round edge ..	28/-	31/3	37/9	41/3	28/9	32/-	38/6	42/-	30/6	33/9	40/3	43/9	each.
No. 348. With Polished Baywood Top, O.G. edge ..	29/9	33/3	40/9	44/-	30/6	36/-	41/6	44/9	32/3	37/9	43/3	46/6	,,
No. 349. With Sicilian Marble Top, round edge, ¾ in thick.	28/3	29/-	36/3	40/-	29/-	29/9	37/-	40/9	30/9	31/6	38/9	42/6	,,
No. 350. St. Ann's or Rouge Royal Marble Tops, round edge, ¾ in. thick ..	40/3	42/3	55/-	60/6	41/-	43/-	55/9	61/3	42/9	44/9	57/6	63/-	,,



No. **351.**

Table with Cast Iron Stretcher and Bearing Frame.

Double Faced. Height 28 inches.

	24	30	36	42	48	54	60 ins.
Prepared for Tops. / Actual Size of Bearing Frame.	24×16	30×16	36×16	41×16	46×16	54×16	60×16
Table, as detailed and shown above / A Unpainted	**18/6**	**19/-**	**19/9**	**20/3**	**21/-**	**22/3**	**26/6** ea.
B Painted ..	**19/9**	**21/-**	**21/9**	**22/3**	**23/-**	**24/3**	**28/6** ,,
C Bronzed ..	**25/6**	**26/-**	**26/9**	**27/3**	**28/-**	**29/6**	**33/6** ,,



Registered Design.	Fine Cast, Unpainted.			Fine Cast, One Coat of Paint.			Painted and Bronzed.			Painted, Decorated and Relieved in Gold.			
	36in. × 18in.	42in. × 18in.	48in. × 18in.	36in. × 18in.	42in. × 18in	48in. × 18in.	36in. × 18in.	42in × 18in.	48in. × 18in.	36in. × 18in.	42in. × 18in.	48in. × 18in.	
No. 352. Standards and Stretcher only (no top)	10/-	10/3	10/6	10/9	11/-	11/3	13/3	13/6	13/9	22/6	23/6	24/-	set.
No. 353. With Polished Baywood Top, round edge ...	26/3	29/6	32/6	27/-	30/3	33/3	29/3	32/9	35/6	39/-	42/9	46/-	each.
No. 354. With Polished Baywood Top, O.G. edge ..	28/3	31/9	35/-	29/-	32/-	35/9	31/6	35/-	38/3	40/9	45/-	48/6	,,
No. 355. with Sicilian Marble Top, round edge, ¾ in. thick	26/6	27/6	32/3	27/6	28/3	33/-	30/-	30/9	35/3	39/3	40/6	45/9	,,
No. 356. With St. Ann's or Rouge Marble Tops, round edge, ¾ in. thick ...	38/6	41/-	48/6	39/6	41/9	49/3	42/-	44/-	51/9	51/6	54/-	61/9	,,

No. 357. If Cast Iron Bearing Frames are supplied for Marble Tops, **Price 3/9** extra.

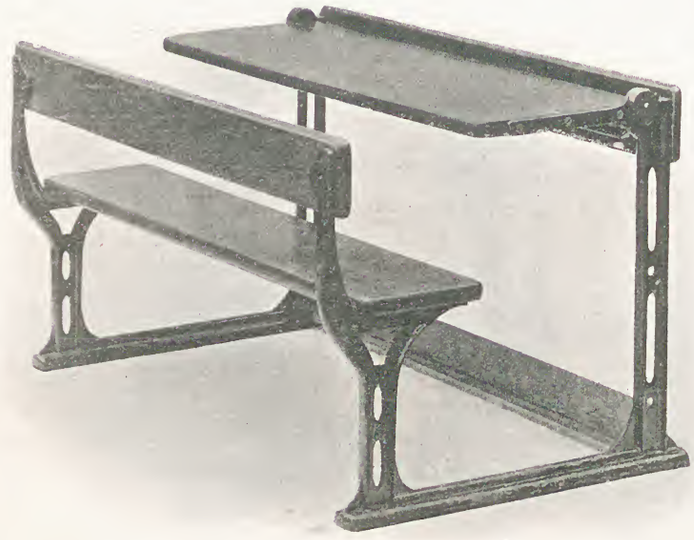


	Painted and Bronzed. 36×18	42×18	48×18 ins.
No. 358. Standards and Stretchers only (no top)	**17/3**	**17/9**	**18/-** set.
No. 359. Ditto with Polished Baywood Top, round edge	**33/9**	**37/3**	**40/-** each.
No. 360. Ditto with Polished Baywood Top, O.G. edge	**35/6**	**39/3**	**42/6** ,,
No. 361. Ditto with Sicilian Marble Top, round edge	**34/-**	**35/-**	**39/9** ,,
No. 362. Ditto with St. Ann's or Rouge Royal Marble Tops ¾ in. round edge	**46/-**	**48/6**	**56/-** ,,
No. 363. Standards and Stretchers only (no tops) Fine Cast ..	**13/3**	**13/6**	**13/9** set.

No. **364.** If Cast Iron Bearing Frames are supplied for Marble Tops, **Price 3/9** extra.

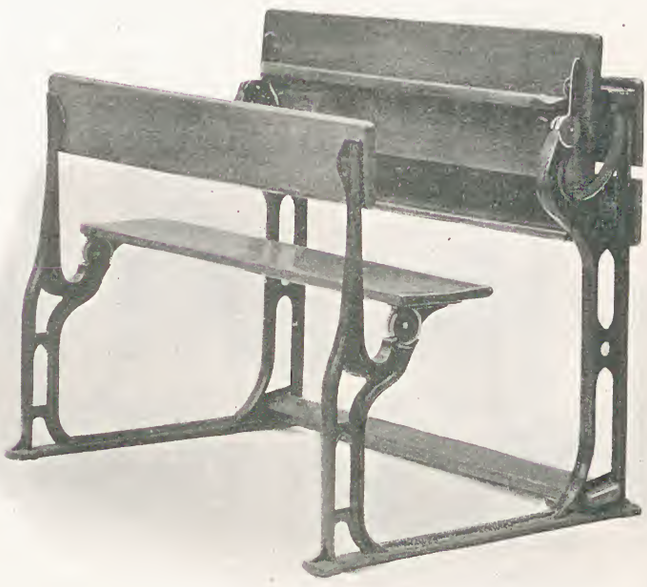
DUAL DESKS.

CAST IRON AND BEST PITCH PINE.



No. 365.—INFANT. **23/9** each.

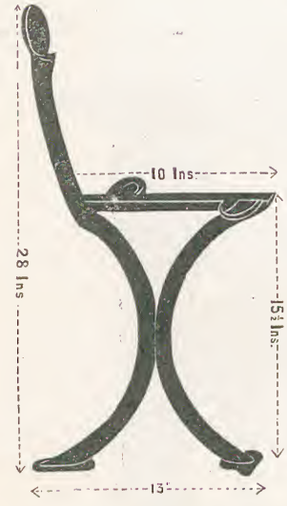
This Desk is designed so as to meet the modern requirements in the system of teaching Infants. On the under side of the top is a prepared Blackboard which, when the top is raised, can be used for Free Arm Drawing, consequently the Desk does away with the use of the Free Arm Easels, &c., and thereby effects a saving both in expense and time. When turned up the top locks itself so as not to fall down, and when required to be lowered it is slightly lifted so as to remove it from the catch. The movements are very simple, and it is impossible for a child to nip its fingers in any way. This Desk can be fitted with either a book board or turn-up seat if required, and can be made in long lengths. Turn-up Seat or Book Board extra.



No. 366. **36/6** each.

This is a very strong and rigid Desk, and the standards are designed so as to contain the greatest strength in the parts where strength is needed. The slope of the Desk is in one piece, and turns up in such a way so as not to hide the pupil. The Seat also turns up, thus giving good room for drill and exercises.

CAST IRON SEAT STANDARDS.



No. 367.

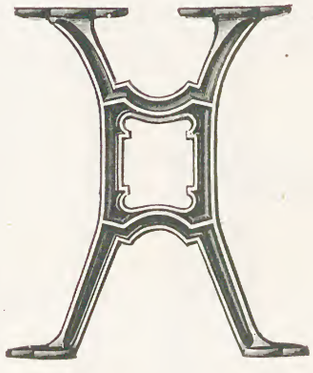
Price, 3/- each.



No. 368.

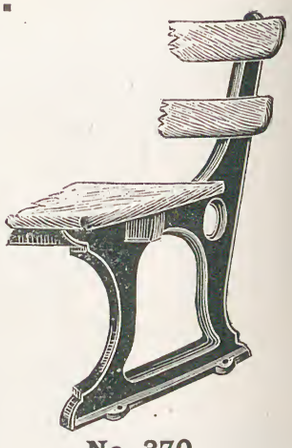
20¾ ins. high.

Price, 4/6 each.



No. 369.

Heights..	20½	19	17½ ins.
Price ..	**4/6**	**4/3**	**4/-** each.



No. 370.

Extreme width at bottom, 19⅜ ins.
Height overall, 31 ins.
Width of Seat, 12¼ ins.
Height of Seat, 14¾ ins.
Price, 6/- each.

CAST IRON DESK AND BENCH STANDARDS.

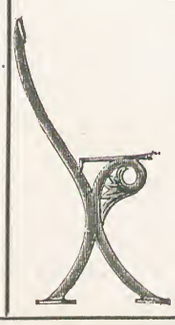
No. 371.



Height.	Price.
7 ins.	**1/3** each.
8 ,,	**1/3** ,,
9 ,,	**1/6** ,,
10 ,,	**1/6** ,,
12 ,,	**1/4** ,,
13 ,,	**1/6** ,,
14 ,,	**1/4** ,,
15 ,,	**1/6** ,,
16 ,,	**1/9** ,,
18 ,,	**1/9** ,,
22 ,,	**2/-** ,,

8 in. Bottom. 6 in. Top.

No. 372.



Height. Ins.	Height of Seat. Ins.	Width of Seat. Ins.	Price.
28½	15½	9½	**3/6** ea.
31	17	11	**3/9** ,,
33	18	11	**4/-** ,,
35	17½	11	**4/3** ,,

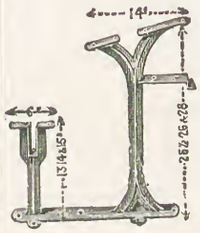
No. 373.



Height. Ins.	Top. Ins.	Height of Shelf. Ins.	Price.
24	11	16½	**3/6** ea.
25½	10½	17½	**2/9** ,,
26	13	18½	**4/3** ,,
26½	11	19½	**3/-** ,,
28	11	20½	**3/9** ,,
29½	13	22	**4/-** ,,

12 in. Bottom. 5 in. Bracket.

No. 374.



Height. of Desk. Ins.	Height of Seat Ins.	Height of Shelf. Ins.	Price.
25½	13	18¼	**5/9** ea.
26	14	18½	**6/-** ,,
28	15	20½	**6/6** ,,

25 in. Bottom.
14 in. Top of Desk.
6 in. Top of Seat.
8 in. Bracket.

CAST IRON GARDEN VASES AND PEDESTAL.



No. 375.

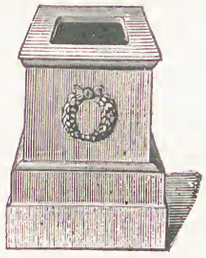
16 ins. at Top
8 ins. at Base
19 ins. High
16/6 each.

18 ins. at Top
9 ins. at Base
22 ins. High
24/9 each.



No. 376.

Width. Top. ins.	Base. ins.	Height. ins.	Price. each.
11	5½	8½	**4/6**
15	7	9	**11/6**
21	9	13	**27/3**
30	13½	19	**57/6**



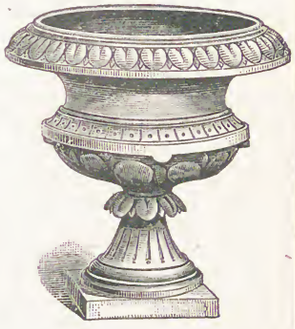
No. 377.

Top.	Base.	High.	Price each.
9½	14	16	**13/9**
9½	14	20	**18/-**
16	18	26	**37/6**



No. 378.

15 ins. at Top.
7 ins. at Base.
10 ins. High.
Price 10/3 each.



No. 379.

12 ins. Wide.
12 ins. High.
5½ ins. at Base.
Price 9/9 each.

TERRA COTTA GARDEN VASES, FLOWER POTS, AND WINDOW BOX.



No. 380. Vase.
Height 16 ins.
Price 9/- each.



No. 381. Flower Pot.
Height 19 ins.
Price 15/- each.



No. 383. Vase.
Height 17 ins.
No. 382. Without Handles .. **15/-** each.
No. 383. With Handles as drawn **18/9** ,,



No. 384. Flower Pot.
Height 13 ins. .. .. **9/-** each.
Do. Perforated .. **11/3** ,,
With Handles, **1/6** extra.



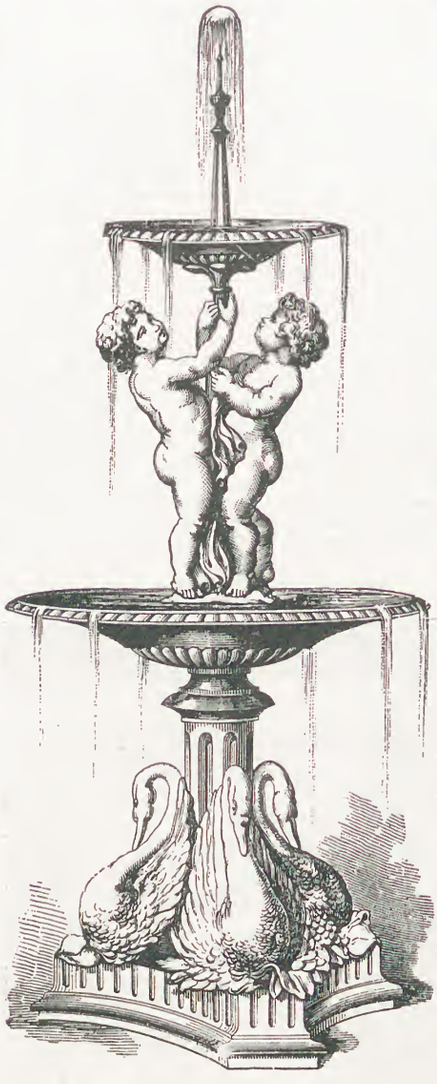
No. 385. Mignonette Box. Length 3 ft.
Price 18/- each.
No. 386. Without Pendants **15/-** each.

GARDEN AND DRINKING FOUNTAINS.



No. 387. Cast Iron.
Height, 24 ins.

Painted	**34**/-	each.
Bronzed	**36**/-	,,



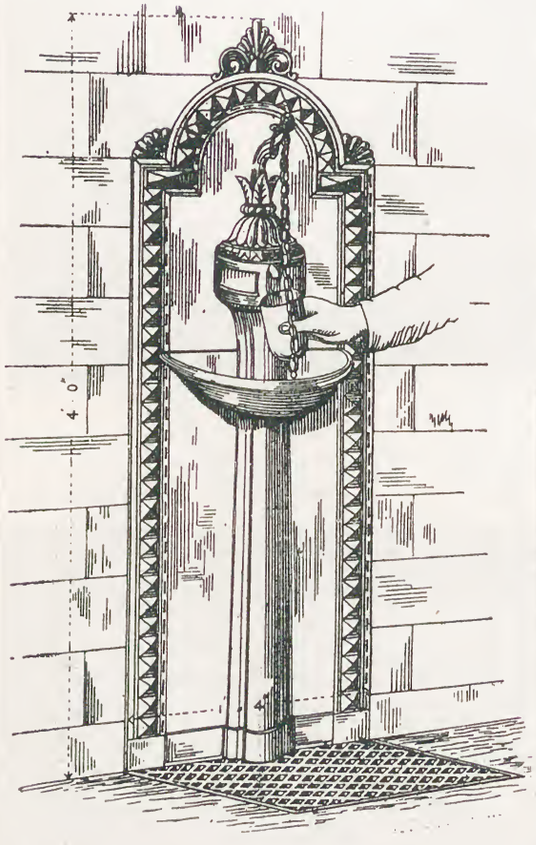
No. 389. Cast Iron.
Height, 58 ins.

Painted	**£11 11 6**	each
Bronzed	**£11 18 6**	,,

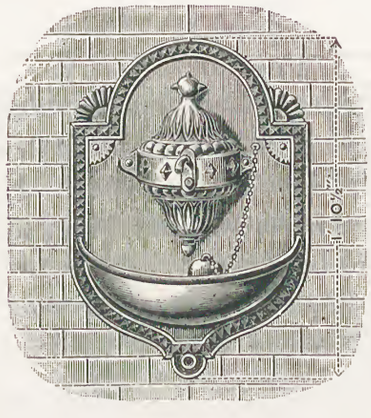


No. 388. Cast Iron.
Height, 24 ins.

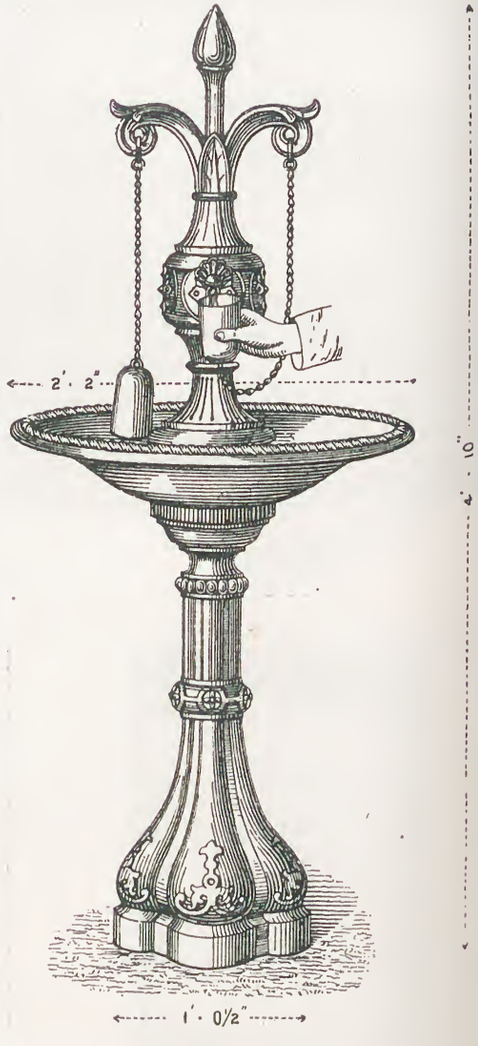
Painted	**80**/-	each.
Bronzed	**83/6**	,,



No. 390. Cast Iron.
Height, 4 ft.
Painted one coat, Cup Galvanized.
Price 60/- each.



No. 391. Cast Iron.
Height, 1 ft. 10½ ins.
Painted one coat, Cup Galvanized.
Price 33/6 each.



No. 392. Cast Iron.
Height overall, 4 ft. 10 ins.
Painted one coat, Cups Galvanized.
Price 144/- each.

BRASS FOUNTAIN JETS.

ORNAMENTAL. EASILY FIXED. VARIED DESIGNS. LARGE OR SMALL.



No. 393. "Tree."
Price 5/3 each.



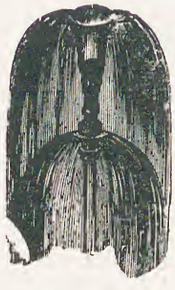
No. 394.
"Barker's Mill."

Size.	Price.
6 in. across Arms, for ¼ in. Pipes	**10**/- each.
10 ,, ,, ,,	**12/9** ,,
18 ,, ,, ,.	**16/9** ,,
29 in., with 8 Arms, for ½ in. Pipes	**23/3** ,,

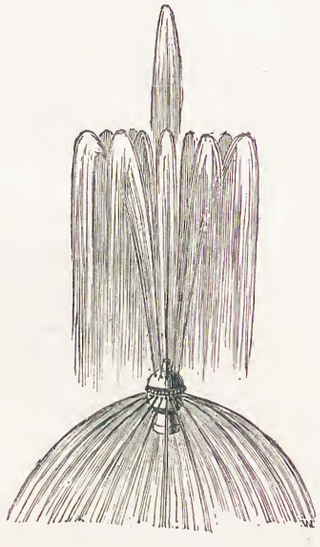


No. 395. "Willow."

Size	1¼ in.	2¼ in.	3 in.
Price	**5/3**	**7/3**	**9/3** each.



No. 396.
"Sheet and Convolvulus."
Screwed for Iron ½ in. ¾ in.
Price .. **29/3** and **36/6** each
Connection Screws, **1/9** each.



No. 397.
"Plume and Umbrella."

Size	1¼ in.	2 in.	3 in.
Price	**5/3**	**6/9**	**9/3** each.



No. 398.
"Wire Basket and Ball."

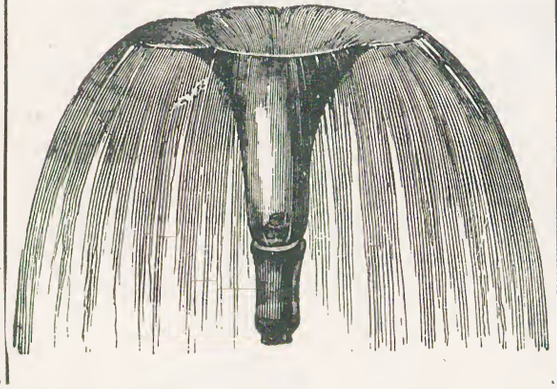
	Price.		Price.
6 in. Basket	**11**/-	Ball ..	**3**/- each.
7 in. ,,	**12/9**	,, ..	**3**/- ,,
12 in. ,,	**18/3**	,, ..	**3/9** ,,
16 in. ,,	**26**/-	,, ..	**3/9** ,,



No. 399.
"Prince of Wales' Feathers."

Size	3 in.	3½ in.	4½ in.
Price	**6**/-	**6/9**	**8/9** each.

Connection Screws for Lead Pipe, **1**/- each.





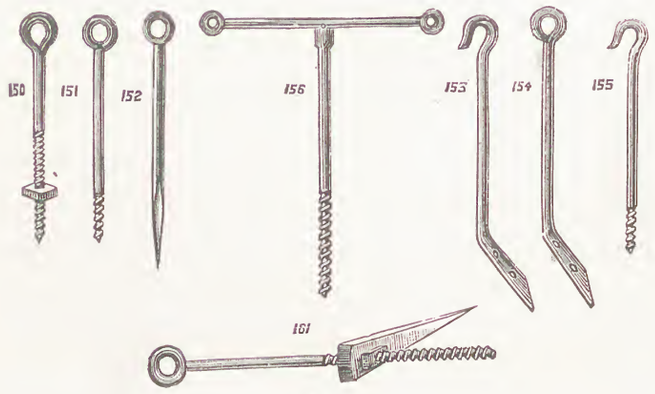
No. 3100.
"Mushroom" Jets.

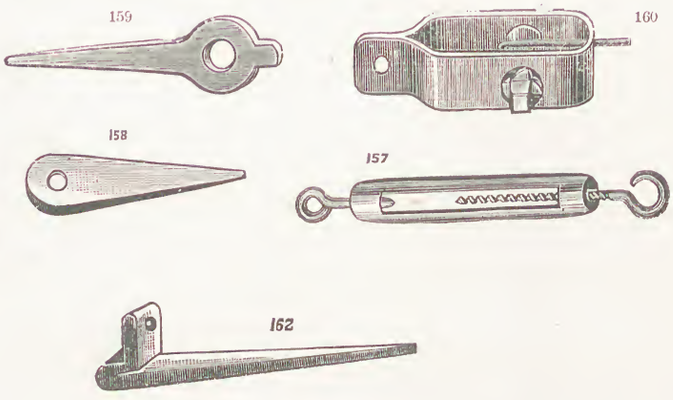
Size	1¾ in.	2¼ in.	3 in.
Price	**6**/-	**6/9**	**8/9** each.

No. 3101. "Convolvulus." Size, 2¼ in. diameter, screwed for ¾ in. iron gas pipe. . . . . **Price 10/9** each.
,, 1½ ,, ,, ¼ or ⅜ ,, ,, ... ,, **8**/- ,,
,, 1 ,. ,, ¼ or ⅜ ,, ,, ... ,, **6**/- ,,

GALVANIZED WROUGHT IRON TRAINING FITTINGS.

FOR CONSERVATORIES, GREENHOUSES, VINERIES, &c.,





Sizes	3	4	5	6	7	8	9	10	12 ins. long.
No. 150	—	—	—	1/3	—	1/9	—	2/3	**2/9** per doz.
„ **151**	5/6	7/6	10/-	12/6	14/6	17/6	19/6	21/6	**23/-** per gross.
„ **152**	5/6	7/6	10/-	12/6	14/6	17/6	19/6	21/6	**23/-** „
„ **153**	5/6	7/6	10/-	12/6	14/6	17/6	19/6	21/6	— „
„ **154**	5/6	7/6	10/-	12/6	14/6	17/6	19/6	21/6	— „
„ **155**	5/6	7/6	10/-	12/6	14/6	17/6	19/6	21/6	**23/-** „

Sizes ...	9 × 9	10 × 10	12 × 12 ins.
No. 156 ..	**7/-**	**8/-**	**12/-** per dozen.

No. 157. Straining Screws 5 **12/-** 6 **13/-** 7 **15/-** 10 **32/-** 11 **34/-** 12 ins. **36/-** per doz.

Sizes	2	2½	3	4	5	6 ins.	
No. 158 ..	**2/-**	—	**3/-**	**5/-**	**8/-**	**10/-**	per gross.
„ **159** ..	**4/-**	**4/6**	**6/-**	**6/6**	**12/-**	**15/-**	„

No. 160 Radisseurs .. 4 × ¾ ins., .. **3/6** per doz.
„ .. 4½ × 1 „ .. **5/-** „

No. 161. Wrot Straining Bolts, 6 in., **1/9**; 8 in., **2/6** per doz.

No. 162. Terminal Holdfasts 6 in., **2/6**; 7 in., **2/9** per doz.

BINDING WIRE.

Gauge Nos.	19	20	22	24	26	
No. 3120. Galvanized	**3/6**	**3/6**	—	—	—	per 7 lb. bundle
„ **3121.** Tinned	**4/-**	**4/3**	**5/-**	**5/3**	**6/9**	„ „
„ **3122.** Black ..	**2/6**	**2/6**	**3/-**	**3/3**	**3/9**	„ „

LEAD WIRE FOR HORTICULTURAL PURPOSES.

No. 3123.

Nos.	10	11	12	13	14	15	16	
	8d.	**8d.**	**9d.**	**9d.**	**9d.**	**10d.**	**10d.**	per lb.

In 7 lb. Coils.

BRIGHT WIRE FOR FLOWERS.

No. 3124. In Reels.

	1d.	2d.	3d.
About	100	200	300 yards.
Price	**2/6**	**4/6**	**3/-**
	Per 3 doz. Reels.	Per 3 doz. Reels.	Per doz. Reels.

VIRGIN CORK. No. 3125.

For Ferneries, Rockwork, Arbours, Window Baskets, Flower Stands, Grottos, &c.

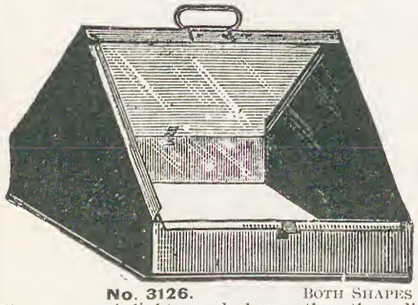
One Cwt., if arranged with good effect, will cover a space of 30 superficial square feet, but may be made to cover nearly double that space.

In Cwt. Bales, as imported .. .. **13/6** per Cwt. bale.

Bales only. Special prices for quantity.



NEW PATTERN GALVANIZED HAND LIGHTS.



No. 3126. BOTH SHAPES SAME PRICE. **No. 3127.**

These are much lighter and cheaper than the ordinary wood and glass lights. The prices at which they are sold bring them within the reach of every gardener or amateur. Sent out unglazed to prevent breakage and extra cost of carriage.

Sizes ...	12×10	15×12	18×12	21×14	24×14	30×15 ins.
Prices (not glazed) ...	**2 9**	**3/-**	**3 6**	**4 9**	**5 3**	**7 9** each.

TREE GUARDS.

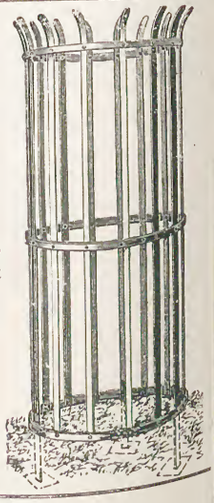
No. 3128.

With Flat Bars.

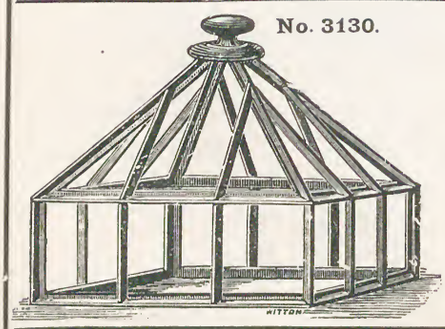
5 ft. high, 2 ft. diameter, with four Main Uprights, 1¼×¼ in. Other Uprights 1×¼ in. at 5 ins. apart between. Three Rings, 1¼×¼ in., **16/9** each.

No. 3129.

6 ft. high, 2 ft. 3 ins. diameter, with Uprights 5¾ ins. apart between, **18/-** each.



No. 3130.



HAND LIGHT FRAMES.

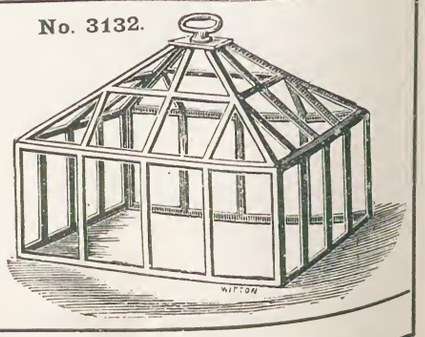
No. 3130. Strong Zinc, Glazing Extra.

Sizes	12	14	16	18	20	22	24 ins.	
With Close Tops	**6/3**	**7/-**	**8/3**	**9/6**	**10/6**	**11/9**	**13/6**	each
No. 3131. With Loose Tops ..	**8/3**	**9/-**	**10/3**	**11/9**	**13/-**	**14/-**	**14/9**	„

No. 3132. Cast Iron, Loose Top and Sides, Glazing Extra.

Sizes	12	18	20	22	24 ins.
Prices	**5/9**	**10/-**	**11/3**	**14/3**	**17/6** each.

No. 3132.



PEA GUARDS.



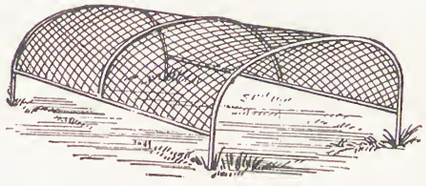
No. **3133**. ¾ in. Mesh Galvanized Netting on Strong Frame, 3 ft. long, two ends to each dozen.
Price, 3/- per dozen. Extra end pieces, No. **3134**, **1**/- per dozen.
Cheaper Qualities not supplied.



No. **3135**. Diamond Mesh Wirework, Hard Wire, Galvanized after made, 3ft. long, 6ins. high, 6ins. wide, two end pieces to ea. doz. **Price, 8**/- per dozen. Extra end pieces, No. **3136**, **2**/- per doz.

GALVANIZED SEED GUARDS.

For Covering Patches of Seed.

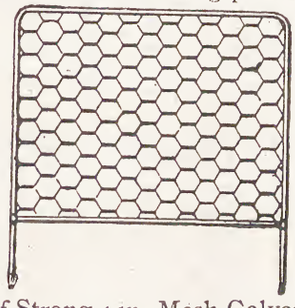


No. **3137**. ¾ in. Mesh Hard Wire Diamond Lattice, 18 ins. long, 18 ins. wide, 6 ins. high. **Price, 9/9** per dozen.

No. **3138**.
Separate end pieces for closing ends .. .. **4**/- per dozen.

IMPROVED PEA TRAINERS,

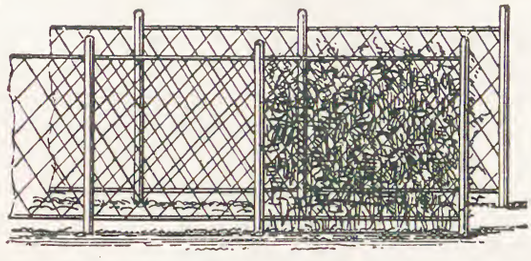
New and inexpensive method of training peas instead of pea sticks.



No. **3139**. Made of Strong 4 in. Mesh Galvanized Wire Netting, on a Strong Rod Frame, Blacked and with strengthening Stay across the centre. These Hurdles can be used either singly or in double rows. All Hurdles are 4 ft. long.

	3	4	5	6 ft. high.
Price,	**2**/-	**3**/-	**4**/-	**6**/- each.

HARD WIRE PEA TRAINERS.

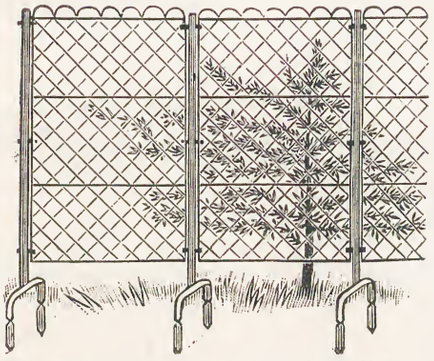


No. **3140**. This method of training peas is now very popular. The panels are simply tied with wire or string to ordinary wood stakes, six feet apart, and kept six inches off the ground. They should be arranged in double rows as shown. Galvanized after made, in panels the undermentioned sizes only.

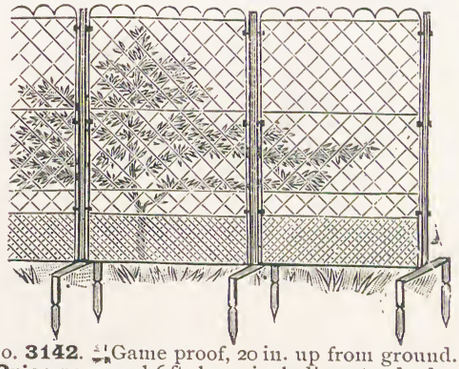
	6 ft. wide × 3	4	5	6 ft. high.
Price,	**3**/-	**4**/-	**5**/-	**6**/- each.

NEW PORTABLE WIRE ESPALIERS FOR TRAINING FRUIT TREES, SHRUBS, &c.

These ornamental Espalier Fences are adapted for a variety of purposes. They can be easily fixed or removed by any ordinary workman, and for durability they cannot be equalled. The lattice is made of hard wire, three inch corrugated diamond mesh. No. 13 W.G., and galvanized after made, and are attached to the wrought iron standards, with nuts and bolts sent with the fencing. The double pronged wrought iron standards are varnished black. The prices include double pronged wrought iron standards, and nuts and bolts complete for fixing.

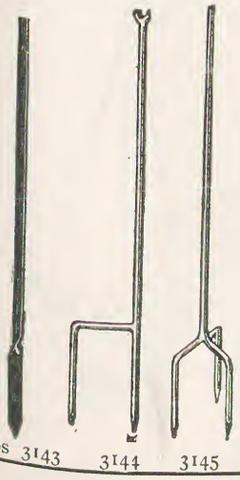


No. **3141**. **Price** per panel, 6 ft. long, including standards—
4 ft. 0 in. high .. **11/3** each panel. 6 ft. 0 in. high .. **18**/- each panel.
5 ft. 0 in. ,, .. **14/9** ,, ,, 7 ft. 0 in. ,, .. **21/3** ,, ,,



No. **3142**. Game proof, 20 in. up from ground.
Price per panel 6 ft. long, including standards.
4 ft. 0 in. high .. **16**/- each panel. 6 ft. 0 in. high .. **22/9** each panel.
5 ft. 0 in. ,, .. **19/3** ,, ,, 7 ft. 0 in. ,, .. **25/3** ,, ,,

WROUGHT IRON FLOWER. ROSE AND WIRE NETTING STAKES.



Nos 3143 3144 3145

Height above ground.	No. **3143**. Japanned Green.	No. **3143**. Galvanized.	No. **3144**. Japanned Green.	No. **3144**. Galvanized.	No. **3145**. Japanned Green.	No. **3145**. Galvanized.	
1 ft. 6 in.	**3/9**	**4/3**	**5/9**	**6/3**	—	—	per dozen.
2 ft. 0 in.	**4**/-	**4/9**	**6**/-	**7**/-	—	—	,,
2 ft. 6 in.	**4/9**	**6**/-	**6/9**	**8/3**	—	—	,,
3 ft. 0 in.	**5/9**	**7/3**	**8**/-	**10/3**	**13/3**	**20**/-	,,
3 ft. 6 in.	**6/9**	**8/9**	**10**/-	**13/3**	**16**/-	**24**/-	,,
4 ft. 0 in.	**8/6**	**11/3**	**11/3**	**15/3**	**18/9**	**28**/-	,,
5 ft. 0 in. .. .	**11/3**	**15/9**	**14/3**	**19**/-	**22**/-	**33/3**	,,
6 ft. 0 in.	**15/3**	**22/3**	**20/9**	**30**/-	**26/9**	**40**/-	,,

These wrought iron Standards as above are now much used for supporting wire netting, rose trees, dahlias, shrubs, and all kinds of flowers, and they will be found much superior to wood in appearance and much more durable in wear, thus proving far more economical in the end.

CAN BE HAD JAPANNED BLACK IF DESIRED—SAME PRICES.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

GARDEN ARCHES.



No. 3148.—Plain.

No. 3146.—Double common quality, galvanized, 7 ft. high, 4 ft. span, 1 ft. wide **4/-** each.
No. 3147.—Common quality, 2½ in. mesh, a very good and satisfactory article, 7 ft. high, 4 ft. span, 1 ft. wide ... ... **5/3** ,,
No. 3148.—Strong, best quality, 2½ in. mesh, much approved :—

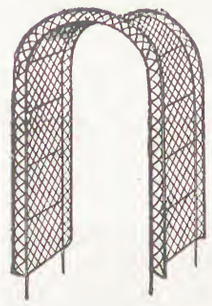
High. ft. in.	Span. ft. in.	Wide. ft. in.	Painted or Galvanized.
7 0	4 0	1 0	**7/9** each.
7 0	4 0	1 3	**9/3** ,,
7 0	4 0	1 6	**10/3** ,,
7 0	4 0	2 0	**13/9** ,,
7 6	4 6	1 0	**9/3** ,,
7 6	4 6	1 6	**12/6** ,,
7 6	4 6	2 0	**16/-** ,,
8 0	5 0	1 0	**11/-** ,,
8 0	5 0	1 6	**15/3** ,,
8 0	5 0	2 0	**18/9** ,,



No. 3151.—Spiral.

No. 3149.—Double common quality, galvanized, 7 ft. high, 4 ft. span, 1 ft. wide **6/6** each.
No. 3150.—Common quality, 2½ in. mesh, a very good and satisfactory article, 7 ft. high, 4 ft. span, 1 ft. wide ... .. **8/-** ,,
No. 3151.—Strong, best quality, 2½ in. mesh, much approved :—

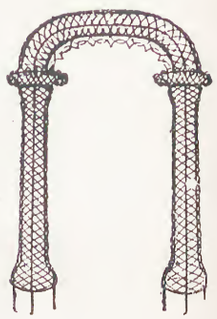
High. ft. in.	Span. ft. in.	Wide. ft. in.	Painted or Galvanized.
7 0	4 0	1 0	**11/-** each.
7 0	4 0	1 3	**12/9** ,,
7 0	4 0	1 6	**14/-** ,,
7 0	4 0	2 0	**18/-** ,,
7 6	4 6	1 0	**12/9** ,,
7 6	4 6	1 6	**17/3** ,,
7 6	4 6	2 0	**22/-** ,,
8 0	5 0	1 0	**16/-** ,,
8 0	5 0	1 6	**22/-** ,,
8 0	5 0	2 0	**26/-** ,,



No. 3152.

Ornamental Arch, with double front. Extra strong. Inside measure.

High. ft. in.	Span. ft. in.	Wide. ft. in.	Painted or Galvanized.
7 0	4 0	1 0	**21/-** each.
7 0	4 0	1 6	**33/3** ,
7 0	4 0	2 0	**40/-** ,,
7 0	4 0	3 0	**56/-** ,,
7 6	4 6	1 6	**37/3** ,,
7 6	4 6	2 0	**46/9** ,,
7 6	4 6	3 0	**66/9** ,,
8 0	5 0	1 6	**42/9** ,,
8 0	5 0	2 0	**53/3** ,,
8 0	5 0	3 0	**73/3** ,,

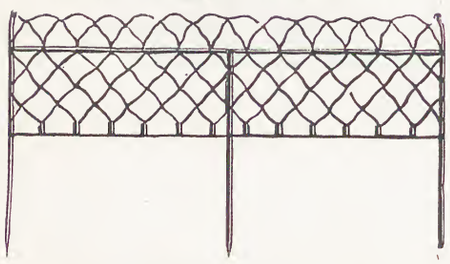


No. 3153.

Ornamental Column Arch.

High. ft. in.	Span ft. in.	Painted or Galvanized. £ s. d.
7 0	4 0	**2 10 0** each.
7 6	4 6	**2 14 6** ,,
8 0	5 0	**3 0 0** ,,

EXTRA STRONG LAWN EDGING.



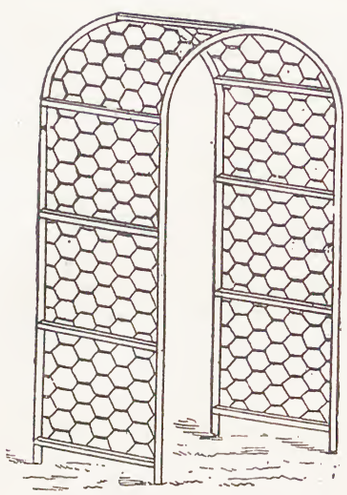
No. 3154.—Galvanized.

Lengths	6 ft.	9 ft.
9 ins. high ..	**4/6** ..	**6/9** per panel.
12 ,, ..	**6/3** ..	**8/6** ,,

BRACKET BASKET.



To hang against Wall.
No. 3157.—**6/9** per doz.

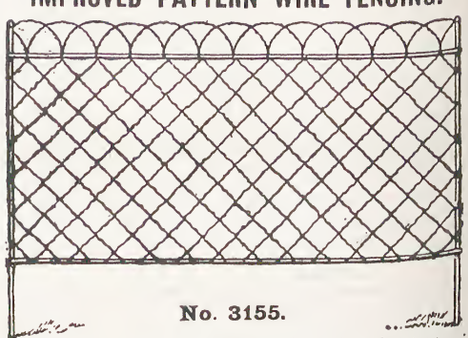


No. 3156.

These Arches are made with strong wrought flat iron frames, with round rod cross bars, painted green, and covered with galvanized wire netting. They are strong, durable and cheap, and will be found to command a ready sale.

7 ft. high, 4 ft. span, 2 ft. wide, **Price, 13/3** each.

IMPROVED PATTERN WIRE FENCING.



No. 3155.

Hard wire, 2 in. diameter mesh, galvanized after made. Iron rod at each end for fixing.
6 ft. long × 2 ft. high out of ground, **4/-** per length.

BRACKET BASKET.



No. 3158.—To hang against wall, **7/-** per doz.

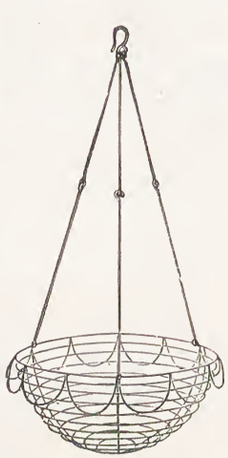
FLOWER BASKETS.

No. 3159.



9 in. diameter.
9/- per doz.

No. 3160.



12 in. diameter, **17/6** per doz.
14 in. ,, **21/-** ,,
16 in. ,, **2/39** ,,

No. 3161.



Strongly made of Twisted Wire, and fitted with strong chain suspenders.
13 in. diameter, **2/4** each.
16 in. ,, **3/3** ,,

No. 3162.



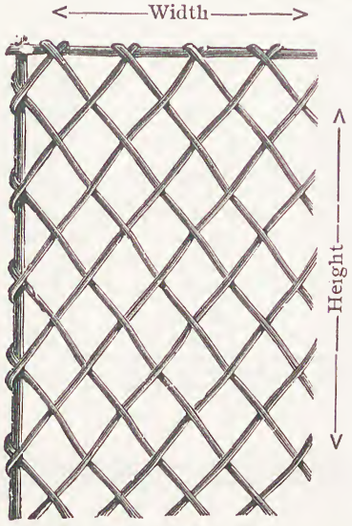
10 in. diameter, **2/6** each.
12 in. ,, **3/3** ,,
15 in. ,, **4/-** ,,
18 in. ,, **5/3** ,,

No. 3163.

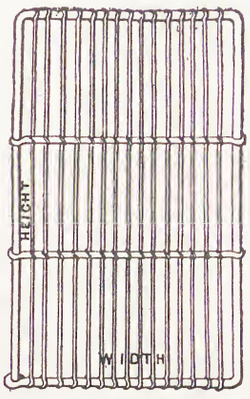


9 in. diameter.
11/3 per doz.

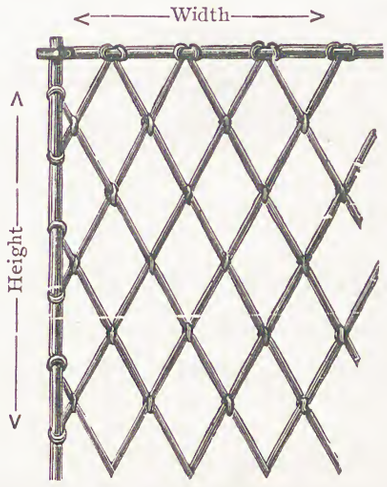
GALVANIZED LATTICE WORK.



No. 3164. "DIAMOND CORRUGATED" LATTICE. Or Under and Over Work.



No. 3166. "STRAIGHT" LATTICE.



No. 3165. "DIAMOND TIED" LATTICE.

In ordering please be careful to state which measure is the height and which is the depth.

Prices per superficial foot. GALVANIZED or PAINTED.

No. 3164. "Diamond Corrugated."

Wire Gauge, Size of Mesh.	18	17	16	15	14	13	12	11	10
⅜ inch.	10d.	11½d.	1/1½	—	—	—	—	—	—
½ ,,	8d.	9½d.	11d.	1/-	1/2	1/4	1/6	—	—
⅝ ,,	7d.	8d.	9½d.	11d.	1/1	1/2	1/4	—	—
¾ ,,	6d.	7½d.	9d.	10d.	11½d.	1/-	1/3	1/5	1/7
1 ,,	—	6d.	6½d.	7d.	7½d.	9d.	10d.	1/-	1/2
1¼ ,,	—	5½d.	6d.	6½d.	7d.	8d.	9½d.	11d.	1/1
1½ ,,	—	—	—	6d.	6½d.	7d.	8d.	9½d.	11d.
2 ,,	—	—	—	5½d.	5½d.	6d.	7½d.	9d.	10d.
2½ ,,	—	—	—	4½d.	5d.	5½d.	7d.	7½d.	9d.
3 ,,	—	—	—	—	4½d.	5d.	6d.	7d.	8d.

No. 3165. "Diamond Tied."

Wire Gauge, Size of Mesh.	15	14	13	12	11	10
¾ inch.	1/4	1/6	1/8	2/-	2/5	2/11
1 ,,	1/1	1/2	1/3	1/5	1/8	1/11
1¼ ,,	1/-	11d.	1/-	1/1	1/3	1/5
1½ ,,	—	11d.	11½d.	1/-	1/2	1/4
2 ,,	—	8d.	9d.	10d.	11½d.	1/0½
2½ ,,	—	—	6d.	7d.	8d.	9½d.
3 ,,	—	—	5½d.	6d.	7d.	8d.
4 ,,	—	—	4d.	5d.	5½d.	6d.
5 ,,	—	—	—	4d.	4d.	5½d.
6 ,,	—	—	—	3d.	3½d.	4d.

No. 3166. "Straight."

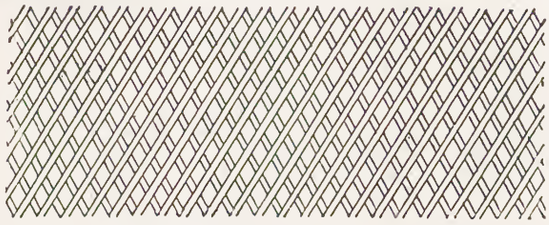
Prices per superficial foot—either galvanized, or painted or tinned Wire.

Size of Mesh.	Generally used for—	Wire Gauge No.	16	15	14	13	12	11	10	9	8
$\frac{3}{16}$ inch.	Fireguards and small Bird Aviaries	.. ..	1/5	1/7	—	—	—	—	—	—	—
¼ ,,	Aviaries, Window Guards	.. ..	11d.	1/1	1/3	1/4	1/7	—	—	—	—
$\frac{5}{16}$,,	,, ,,	.. ..	9d.	10d.	11½d.	1/1½	1/3	—	—	—	—
⅜ ,,	,, ,,	.. ..	—	7½d.	8d.	9½d.	11d.	1/3	—	—	—
½ ,,	Covering Skylights, &c.	.. ..	—	—	7½d.	8½d.	10d.	11½d.	1/1	—	—
⅝ ,,	,, ,,	.. ..	—	—	6¾d.	8d.	9½d.	11d.	1/-	1/1½	—
¾ ,,	Pheasantries, Fowl Pens, &c.	..	—	—	—	6½d.	7d.	8d.	9½d.	11½d.	1/1½
1 ,,	Iron Railings to prevent		—	—	—	6d.	7d.	7½d.	8½d.	10d.	1/-
1¼ ,,	Cats and Dogs getting		—	—	—	—	6½d.	7¼d.	8¼d.	9¾d.	11½d.
1½ ,,	through.		—	—	—	—	6d.	7d.	8d.	9¼d.	11¼d.
2 ,,											

Pieces measuring **less than 4 feet** super. are charged at per piece.

All measurements **under one foot** charged **as one** foot.

PATENT EXTENDING FLAT PLANED WOOD TRELLIS.



Small Mesh, $2\frac{3}{4}$ inch.

Size of Laths, ¼ in. × 1 in.

No. 3167.

Fig.	Closed.	Open.	Price of each Piece.
A	2½ ft. × 1 ft. 8 in.	12 ft. × 1 ft. 3 in.	2/-
B	2½ ft. × 2 ft.	12 ft. × 1 ft. 7 in.	3/-
C	2½ ft. × 2 ft. 4 in.	12 ft. × 1 ft. 10 in.	3/6
D	2½ ft. × 2 ft 8 in.	12 ft. × 2 ft. 1 in.	4/-
E	2½ ft. × 3 ft. 3 in.	12 ft. × 2 ft. 6 in.	5/-
F	2½ ft. × 4 ft.	12 ft × 3 ft.	6/-
G	2½ ft. × 4 ft. 4 in.	12 ft. × 3 ft. 6 in.	7/-
H	2½ ft. × 4 ft. 8 in.	12 ft. × 3 ft. 9 in.	7/6
I	2½ ft. × 5 ft.	12 ft. × 4 ft.	8/-
J	2½ ft. × 5 ft. 8 in.	12 ft. × 4 ft. 6 in.	9/-
K	2½ ft. × 6 ft. 4 in.	12 ft. × 5 ft.	10/-
L	2½ ft. × 7 ft.	12 ft. × 5 ft. 6 in.	11/-
M	2½ ft. × 8 ft.	12 ft. × 6 ft.	12/-
N	2½ ft. × 8 ft. 4 in.	12 ft. × 6 ft. 6 in.	13/-
O	2½ ft. × 9 ft.	12 ft. × 7 ft.	14/-
P	2½ ft. × 9 ft. 8 in.	12 ft × 7 ft. 6 in.	15/-
Q	2½ ft. × 10 ft. 4 in.	12 ft. × 8 ft.	16/-
R	2½ ft. × 11 ft.	12 ft. × 8 ft. 6 in.	17/-
S	2½ ft. × 11 ft. 8 in.	12 ft. × 9 ft.	18/-
T	2½ ft. × 12 ft. 4 in.	12 ft. × 9 ft. 6 in.	19/-
U	2½ ft. × 13 ft.	12 ft. × 10 ft.	20/-

Carriage Paid in £3 lots.



No. 3168.
Top Rail.
13/6 per 100 ft. run.



No. 3169.
Bottom Rail.
13/6 per 100 ft. run.



No. 3170.
Outside Post.
13/6 per 100 ft. run.



No. 3171.
Inside Post.
15/- per 100 ft. run.

BEST SOLID STEEL GARDEN SPADES.



Rivetted Eyes, Broad Treads.

CRUTCH OR EYE HANDLES.






		Half Bright.		All Bright.	
		No. 3172.	**No. 3173.**	**No. 3174.**	**No. 3175.**
Sizes	6½ × 11 ins.	**49/3**	**54/9**	**60/-**	**65/3** per doz.
,,	7 × 11½ ,,	**50/9**	**56/-**	**61/3**	**66/9** ,,
,,	7½ × 12 ,,	**53/3**	**58/9**	**64/-**	**69/3** ,,
,,	8 × 12½ ,,	**56/-**	**61/3**	**66/9**	**72/-** ,,
,,	8½ × 13 ,,	**58/9**	**64/-**	**69/3**	**74/9** ,,

BEST STEEL DIGGING FORK.



No. 3176.

Black Square Prongs. Strap Sockets. 30 inch Handles.

	3	4	5	6 Prong.
Sizes 7 × 12 ins.	**37/3**	**40/-**	—	— per dozen.
,, 7½ × 12½ ,,	**38/9**	**41/3**	—	— ,,
,, 8 × 13 ,,	—	**42/9**	—	— ,,
,, 9 × 13¼ ,,	—	—	**52/-**	— ,,
,, 9½ × 13½ ,,	—	—	—	**65/3** ,,

BEST STEEL POTATO FORK.



Ribbed Back Prongs.

Black.

30 inch Handles.




			No. 3177.	**No. 3178.**
3 Prong	..	7 × 11 ins.	**38/9**	**44/-** doz.
		7½ × 11½ ,,	**40/-**	**45/3** ,,
4 Prong	..	7 × 11 ,,	**41/3**	**46/9** ,,
		7½ × 11½ ,,	**42/9**	**48/-** ,,
		8 × 12 ,,	**44/-**	**49/3** ,,
5 Prong	..	9 × 12½ ,,	**56/-**	**61/3** ,,

EYE HANDLES ARE RIVETTED.

MANURE FORKS. Best Steel Strapped.



Black Oval Prongs.

8½ ins. × 12½ ins.

32 inch Handles.





50 inches.

	Nos. 3179.	**3180.**	**3181.**
4 Prong	**37/3**	**42/9**	**40/-** doz.
5 Prong, 10 × 13½ ins.	**50/9**	**56/-**	**53/3** ,,

FLAT WEED FORKS.



No. 3182.

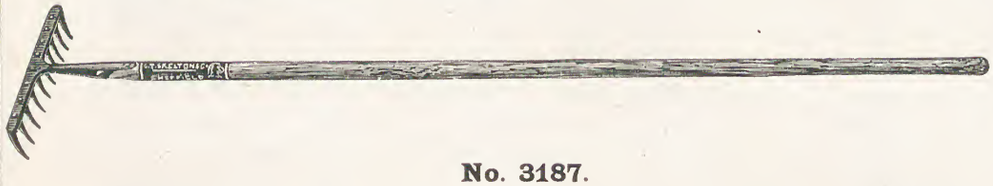


No. 3183.

Best Wrought Steel. 3 Prong.

No. 3182.	Black	**6/9** per dozen.
,, **3183.**	,, Long Handles	**9/-** ,,
,, **3184.**	Bright and Blue	**9/-** ,,
,, **3185.**	,, Long Handles	**11/3** ,,

IRON GARDEN RAKES. Black. Solid End.



No. 3187.

Length of Head	4½	6	8½	11	12½	14½ inches.
No. 3186.	6	8	10	12	14	16 Teeth.
Heads only ..	**6/-**	**8/-**	**10/-**	**12/-**	**14/-**	**16/-** per doz.
No. 3187.						
With 4ft. Ash Handles	**11/3**	**13/6**	—	—	—	— ,,
,, 4ft. 6in. ,,	—	**14/9**	**16/9**	**18/9**	**20/9**	— ,,
,, 5ft. ,,	—	—	**18/-**	**20/-**	**22/-**	**24/-** ,,

GARDEN TROWELS.

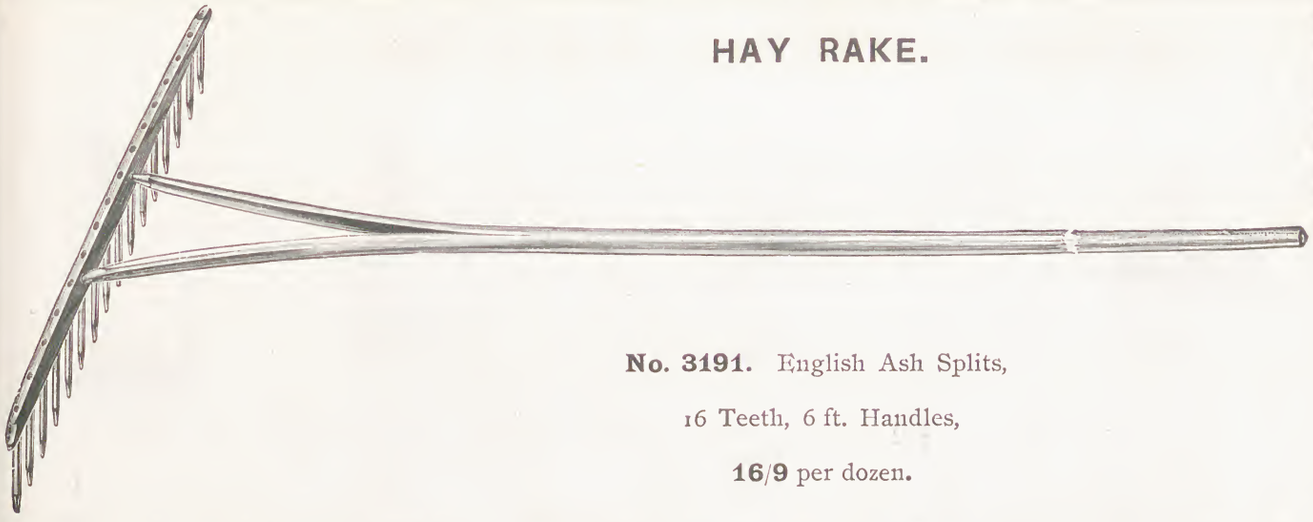


No. 3188.

Best Wrought Steel. Rivetted.

	Lengths	5½	6	7 ins.
No. 3188. Black ..		**4/9**	**5/-**	**5/3** doz.
,, **3189.** Bright & Blue		**6/3**	**6/9**	**7/-** ,,
,, **3190.** Ditto, Long Handle ..		**8/9**	**9/-**	**9/3** ,,

HAY RAKE.



No. 3191. English Ash Splits,

16 Teeth, 6 ft. Handles,

16/9 per dozen.

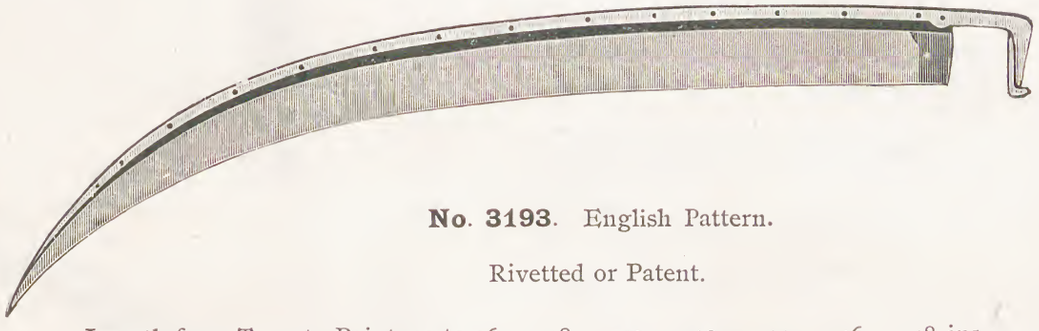
BEST STEEL TANGED OVAL HAY FORK.



No. 3192. All Bright, Best Selected Handle.

Size of prongs.	Handles, 4	5	6	7	8 ft.
5½ ins. wide × 10 ins. long.	**23/3**	**26/-**	**28/9**	**31/3**	**34/-** dozen.
6½ „ × 12 „	**26/9**	**29/3**	**32/-**	**34/9**	**37/3** „
7 „ × 13 „	**28/9**	**31/3**	**34/-**	**36/9**	**39/3** „

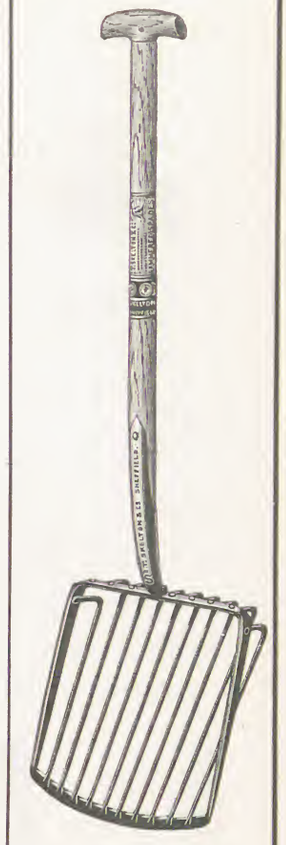
BEST WARRANTED SCYTHES.



No. 3193. English Pattern.

Rivetted or Patent.

Length from Tang to Point, 30 to 36	38	40	42	44	46	48 ins.
53/3	**54/9**	**56/-**	**58/9**	**61/3**	**64/-**	**66/9** dozen.



No. 3194. Rivetted Bar Potato Grates. Peak Sockets, 34 in. T handles.

Wide.	Long.	No. of Bars.	Dozen.
8½	11½	7	**61/3**
9½	11¾	8	**64/-**
10¾	13¾	9	**66/9**
12	14¾	10	**69/3**
13	15¾	11	**73/3**
13½	16¾	12	**77/3**

BAGGING HOOKS.



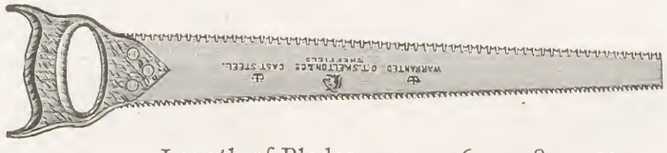
No. 3195.

Length over Back,	20	22	24	26	28 ins.
No. 3195. Straight	**17/3**	**18/9**	**20/-**	**21/3**	**24/-** doz.
„ **3196.** Cranked	**18/9**	**20/-**	**21/3**	**22/9**	**24/-** „

BEST CAST STEEL PRUNING SAWS.

No. 3197.

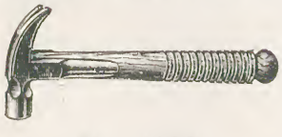




No. 3198.

Length of Blades,	14	16	18	20	22	24	26 ins.
No. 3197. Single edge	**40/-**	**44/-**	**46/9**	**50/9**	**56/9**	**61/3**	**66/9** doz.
„ **3198.** Double „ etched ..	**40/-**	**41/3**	**44/9**	**48/-**	**53/3**	—	— „

GARDENER'S HAMMER (BLACK).



No. 3199.

Nos. 0	1	2	3
20/9	**22/-**	**26/9**	**32/-** dozen.

DAISY GRUBBERS.



No. 3200.

	10	24	42 in. handles.
No. 3200. Black	**16/9**	**23/3**	**30/-** dozen.
„ **3201.** Bright and Blue ..	**23/3**	**30/-**	**36/9** „

"DUTCH" GARDEN HOES, &c.

Rivetted, 3 ins. deep.



No. **3202.**
Short Neck.



No. **3203.**
Long Neck.

Sizes	5	6	7	8 in.
No. **3202.**				
Black Japanned	**6/-**	**6/9**	**7/3**	**8/3** doz.
Bright and Blue	**8/9**	**9/3**	**10/-**	**11/-** ,,
No. **3203.**				
Black Japanned	**6/9**	**7/9**	**8/-**	**9/-** doz.
Bright and Blue	**9/6**	**10/-**	**10/9**	**11/9** ,,

"BURY."



No. **3205.**
"Bury" Pattern.

No. **3204.** Black.

Sizes	4	5	6	7 in.
	14/-	**14/-**	**14/9**	**16/-** doz.

No. **3205.** Bright and Blue.

Sizes	4	5	6	7 in.
	15/3	**15/3**	**16/-**	**17/3** doz.

"DUTCH."

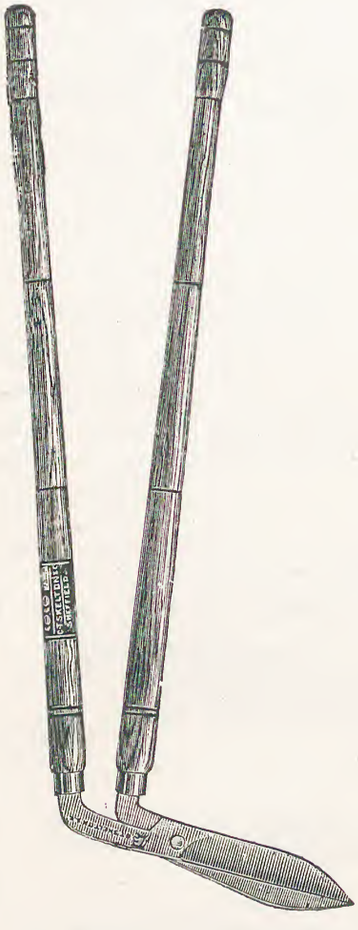




No. **3206.** Rivetted. No. **3207.** Forged.

No. **3206.** Sizes	5	6	7	8 in.
Black Japanned	**12/-**	**13/3**	**14/9**	**16/-** doz.
Bright and Blue	**14/9**	**16/-**	**17/3**	**18/9** ,
No. **3207.**				
Self Colour	**16/-**	**17/3**	**18/9**	**20/-** doz.
Bright and Blue	**17/3**	**18/9**	**20/-**	**21/3** ,,

BRIGHT SOLID STEEL BORDER SHEARS.

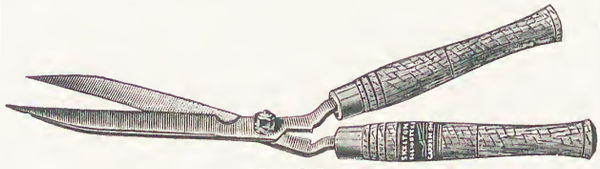


No. **3208.** 36 in. Handles.

Length from Bolt Hole.	8	8½	9	9½	10 in.
Without Wheel as Drawn.	**6/-**	**6/6**	**7/-**	**7/9**	**8/3** pr.

No. **3209.**
With One Wheel. **7/- 7/9 8/3 9/- 9/6** ,,

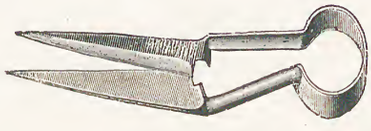
GRASS SHEARS.



No. **3211.**

No. **3210.** Length from Bolt Hole	8	8½	9	9½	10	10½	12 in.
Plain Blades	**3/3**	**3/6**	**4/-**	**4/6**	**4/9**	**5/-**	— pr.
No. **3211.** Notched as Drawn.	**3/9**	**4/-**	**4/6**	**5/-**	**5/3**	**5/6**	**7/9** pr.

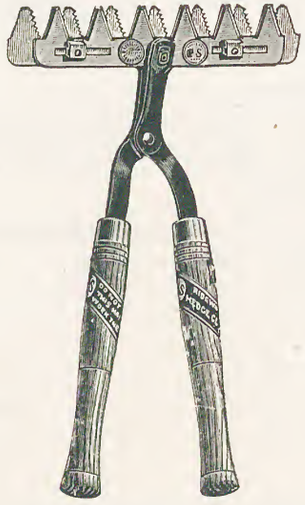
SINGLE BOW SPRING GRASS SHEARS.



No. **3212.**

Blades	5½	6	6½	7 in.
As Drawn	**24/-**	**26/-**	**28/-**	**30/-** doz.
No. **3213.** With Trowel Shanks	**35/-**	**37/-**	**39/-**	**41/-** doz.

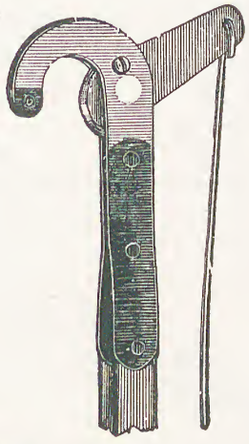
HEDGE CLIPPER



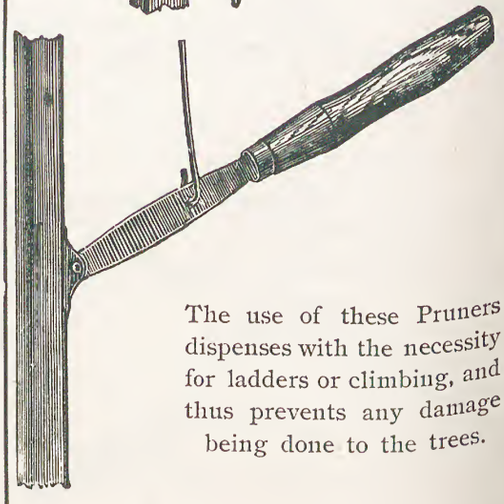
No. **3214.** Handles 12 inches.

Sizes	12	18 in.
	13/3	**16/9** each.

"STANDARD" TREE PRUNER



The "STANDARD" TREE PRUNER is known throughout the world as one of the most useful inventions for assisting the growth and increasing the fruit-bearing properties of trees.



The use of these Pruners dispenses with the necessity for ladders or climbing, and thus prevents any damage being done to the trees.

The cutting capacity of the "STANDARD" is 3½ ins.

Length No. **3215.**

2	3	4	6	8	10	12	14 ft.
7/9	**8/6**	**9/-**	**10/3**	**11/6**	**12/6**	**13/9**	**16/9** ea.

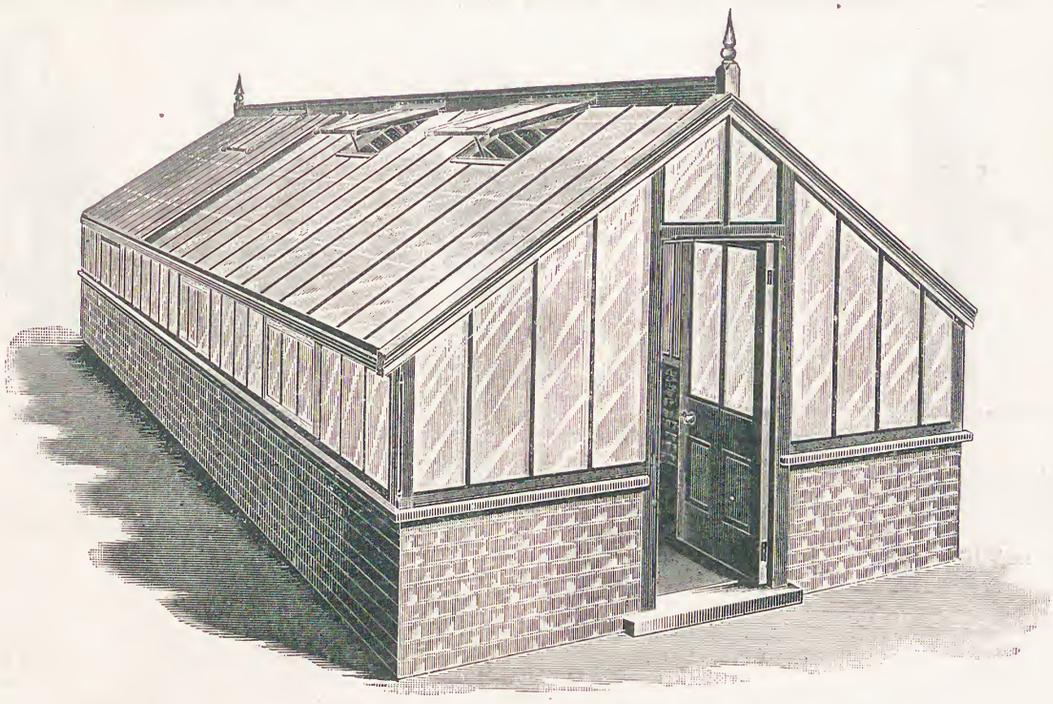
Extra Blades for same, **1/9** each.

Can also supply the "Fulcra" and "Giant" Pruners.

PRICES ON APPLICATION.

SPAN-ROOF GREENHOUSE.

SPECIFICATION of Span Roof and Lean-to Forcing Houses which are also adaptable for Greenhouse Plants, Stove, Vineries, or will make excellent Orchid Houses, they are made of best materials throughout, 6in. × 4in. bevelled Sills for Brickwork, and 4in. × 3in. bevelled Eaves plates, 3in. × 3in. upright framing, 3in. Sashwork in the upright parts and in the roof, this is strengthened with strong rafters 6in. × 2in. about every 10ft., which are fitted with Ring and straight iron Tie Rods, and Tee Iron Supports, O.G. Iron Gutters and 2 in. Zinc Down Pipes, flat Lattice Staging, and Ventilators according to the size of House, the whole is erected and carefully numbered, painted two coats of genuine English white lead and oil. 21 oz. glass all cut to sizes and angles, and packed in boxes and delivered free on rails at the following prices, or delivered free within our London radius.



This Illustration shows a Span Roof House for placing on Brickwork.

No. 3217.

	£	s.	d.		£	s.	d.
15ft. long, 10ft. wide, 9ft. high to top, 5ft. 6ins. to eaves ..	25	0	0 each	20ft. long, 12ft. wide, 9ft. high to top, 5ft. 6ins. to eaves ..	35	2	6 each
20ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	30	0	0 ,,	25ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	43	10	0 ,,
25ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	36	15	0 ,,	30ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	50	0	0 ,,
30ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	43	10	0 ,,	35ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	56	15	0 ,,
40ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	55	15	0 ,,	40ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	64	5	0 ,,

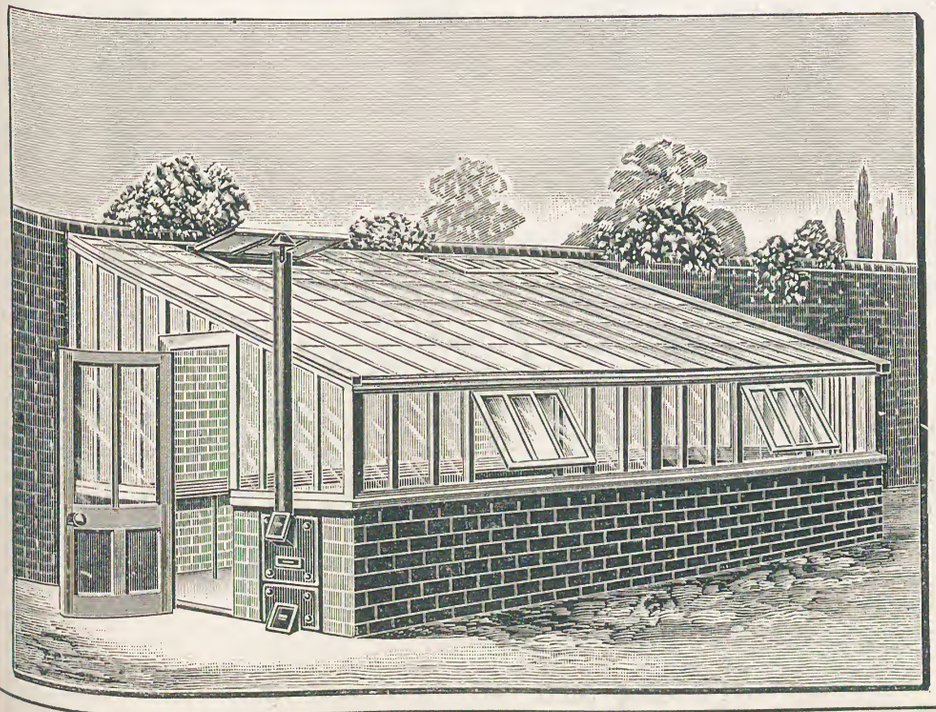
LEAN-TO VINERY OR FORCING HOUSE.

SPECIFICATION EXACTLY AS **No. 3217** ABOVE.

No. 3218.

	£	s.	d.		£	s.	d.
15ft. long, 10ft. wide, 9ft. high to top, 5ft. 6ins. to eaves ..	22	10	0 each.	20ft. long, 12ft. wide, 9ft. high to top, 5ft. 6ins. to eaves ..	31	15	0 each.
20ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	26	15	0 ,,	25ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	39	2	6 ,,
25ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	31	15	0 ,,	30ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	44	5	0 ,,
30ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	37	10	0 ,,	35ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	50	0	0 ,,
40ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	47	10	0 ,,	40ft. ,, 12ft. ,, 9ft. ,, 5ft. 6ins. ,, ..	56	0	0 ,,

LEAN-TO GREENHOUSE.



This Illustration represents a Lean-to Greenhouse, to fit on Brickwork 2ft. 6in. high, and it is a very cheap house for those requiring one of this variety.

SPECIFICATION.

Made of best materials, fitted with Door, Ventilators according to the size of House, and a strong 6in. by 2in. Rafter and Tee Iron Support in the large sizes, Stages, Gutters and Down-pipes for rain water, erected and carefully numbered ready to screw upon arrival, 21 oz. Glass cut to sizes and angles and packed in boxes, and everything complete as described, packed and delivered free on rail, or delivered within our London radius at the following respective prices :—

No. 3219.

	£	s.	d.
7ft. long, 5ft. wide, 7ft. high at back, 4ft. 6ins. to eaves	4	15	0 ea.
8ft. ,, 5ft. ,, 7ft. ,, 4ft. 6ins. ,,	5	12	6 ,,
9ft. ,, 6ft. ,, 7ft. 3in. ,, 4ft. 6ins. ,,	7	2	6 ,,
10ft. ,, 7ft. ,, 8ft. ,, 4ft. 6ins. ,,	8	12	6 ,,
12ft. ,, 8ft. ,, 9ft. ,, 5ft. 6ins. ,,	11	5	0 ,,
15ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,,	15	17	6 ,,
20ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,,	21	0	0 ,,
25ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,,	26	2	6 ,,
30ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,,	33	7	6 ,,
50ft. ,, 10ft. ,, 9ft. ,, 5ft. 6ins. ,,	44	17	6 ,,

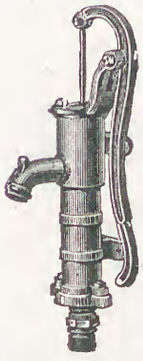
Boiler and Pipes extra. See pages 627 to 630.

COTTAGE PUMPS.

Suitable for Raising Water from Wells and Cisterns, not exceeding 25ft. deep.



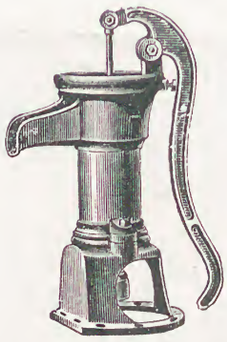
No. 3220.



No. 3221.



No. 3222.



No. 3224.



No. 3226.



No. 3227.



No. 3228.

No.											
	Diameter of Bore of Working Barrel ..	2	2¼	2½	2¾	3	3¼	3½	4	4½	inches.
	Diameter of Bore of Suction Pipe ..	1	1	1¼	1¼	1½	1½	1½	2	2	,,
3220.	Paragon Colonial Pump with Brass Union	8/9	9/9	11/-	12/-	13/-	15/9	19/6	24/-	—	each
3221.	Paragon Colonial Pump with Lugs and Brass Union..										
3222.	Paragon Colonial Pump with Bracketed Base and Brass Union										
3223.	Paragon Colonial Pump with long Tailpiece and Brass Union	—	—	12/9	—	15/6	—	—	—	—	,,
3224.	**Paragon Pitcher Spout Pump** with **Brass Union**	—	—	10/6	—	11/6	—	12/9	14/-	15/3	,,
3225.	**Paragon Pitcher Spout Pump** with **Covered Top** and **Brass Union**										
3226.	Paragon Cottage Pump with Circular Base & Brass Union										
3227.	Paragon Cottage Pump with Lugs and Brass Union ..										
3228	Paragon Cottage Pump with Bracketed Base and Brass Union	9/6	—	11/6	—	14/9	—	21/3	—	—	,,
3229.	Paragon Cottage Pump with Triangular Base and Brass Union										
3230.	Paragon Cottage Pump with long Tailpiece and Brass Union	—	—	13/3	—	16/9	—	—	—	—	,,
3231.	Paragon Cottage Pump 15 in. under Spout with Brass Union	—	—	16/3	—	20/6	—	—	—	—	,,
3232.	Paragon Cottage Pump 17 in. under Spout with Brass Union	—	—	17/3	—	21/9	—	—	—	—	,,
3233.	Paragon Cottage Pump 20 in. under Spout with Brass Union	—	—	18/3	—	23/3	—	—	—	—	,,
	If fitted with Copper-lined Cylinder	3/-	3/6	4/-	4/9	5/6	6/3	7/-	8/-	9/3	each extra.

YARD AND CONTRACTORS' PUMPS.

Suitable for Raising Water a Vertical Height not exceeding 25ft.



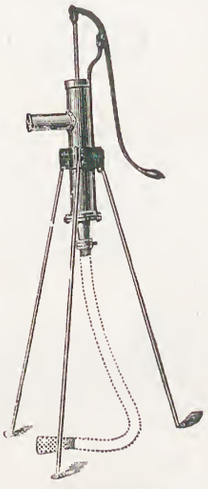
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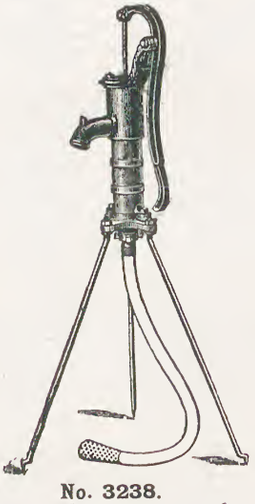
No. 3236.



No. 3235.



No. 3237.



No. 3238.



No. 3240.

No.												
	Diameter of Bore of Working Barrel ..	2½	3	3½	4	4½	5	6	7	8	9	inches.
	Diameter of Bore of Suction Pipe ..	1¼	1½	2	2	2	2½	3	3½	4	5	,, ea.
3234.	Galvanized Sheet Steel Contractor's Pump, 7 ft. 6 in. under Spout ..	—	53/9	—	57/6	—	62/6	72/-	107/-	130/6	151/3	
3236.	Galvanized Sheet Steel Contractor's Pump, with Cistern Head, 7 ft. 6 in. under Spout	—	59/6	—	65/-	—	70/-	80/-	119/6	144/6	168/6	,,
3235.	Galvanized Sheet Steel Sliding Suction Pipe, 8 ft. long	—	16/9	—	18/-	—	20/3	22/9	26/-	29/3	34/-	,,
3237.	Galvanized Sheet Steel Manure Pump on Tripod Legs, including Hose Union on Suction, also Galvanized Strainer.. ..	—	—	—	—	58/6	—	—	—	—	—	,,
3238.	Paragon Colonial Pump on Tripod Stand with Brass Union.. ..	18/9	22/3	30/6	—	—	—	—	—	—	—	,,
3239.	Paragon Light Yard Pump, 36 in. under Spout	—	36/3	—	—	—	—	—	—	—	—	,,
3240.	Paragon Heavy Yard Pump, 36 in. under Spout	38/-	41/6	46/6	53/6	—	—	—	—	—	—	,,

LIFT AND FORCE PUMPS.



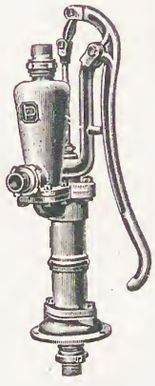
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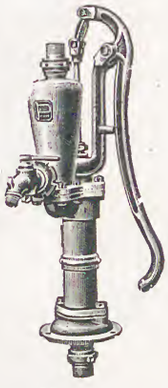
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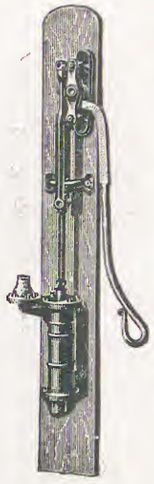
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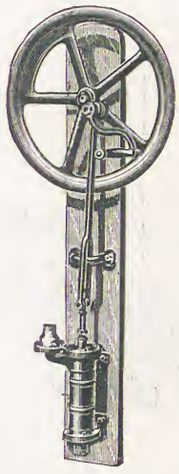
No. 3245.



No. 3246.



No. 3247.



No. 3250.

Nos.							
	Bore of Working-Barrel	inches,	2	2½	3	3½	4
	Bore of Suction and Delivery Pipes ..	inches,	1	1¼	1½	1½ or 2	2
3241.	Cottage or York Pump, Copper Lined, on Square Tail with Brass Union .. .. each,		—	**22/-**	**26/6**	**31/-**	**37/-**
3242.	Cottage or York Pump, Copper Lined, on Strong Oak Plank, with Brass Union .. ,,		—	**26/-**	**30/-**	**35/-**	**41/-**
3243.	Cottage or York Pump, Copper Lined, on Pitch Pine Plank, with Brass Union .. ,,		—	**24/6**	**28/-**	**33/6**	**40/-**
3244.	"Paragon" IRON Colonial Suction and Force Pump, with Flanged Base, and Brass Union Tails screwed for Iron Pipe upon Suction and Delivery Chambers .. .. ,,		**33/3**	**35/3**	**41/-**	**64/-**	**67/6**
3245.	"Paragon" IRON Colonial Suction and Force Pump, with Flanged Base, having an Air Chamber upon the Delivery fitted with top and side Outlets, each Outlet also the Suction Inlet has a Brass Union Tail screwed for Iron Pipe .. .. ,,		**40/-**	**41/6**	**47/9**	**74/9**	**78/3**
3246.	"Paragon" IRON Colonial Suction and Force Pump, with Flanged Base, having an Air Chamber upon the Delivery fitted with Top Outlet, and an Iron Draw-off Cock with Brass Plug at side, the nozzle of Cock is screwed for Hose Coupling, both Suction Inlet and Delivery Outlet are fitted with Brass Union Tail screwed for Iron Pipe ,,		**45/-**	**47/-**	**54/-**	**80/3**	**83/9**
	Nos. 3244, 3245 and 3246 can be supplied with Lugs for bolting to wall or plank at same prices.						
3247.	Improved Design, Strong Brass Force Pump on Oak Plank .. .. each,		**64/6**	**78/9**	**91/-**	**107/6**	**124/6**
3248.	Iron Copper Lined Force Pump, on Oak Plank with Brass Unions .. .. .. ,,		**47/-**	**55/6**	**61/9**	**75/3**	**82/3**
3249.	Strong Iron Force Pump, with Rotary Motion, on Oak Plank, with Brass Unions .. ,,		**61/-**	**70/6**	**87/6**	**109/6**	**126/6**
3250.	Brass Force Pump, with Rotary Motion, on Oak Plank .. .. ,,		**74/-**	**90/6**	**105/6**	**124/-**	**142/9**

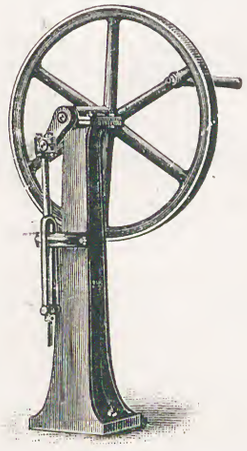
CHAIN PUMPS AND MOTION FRAMES.



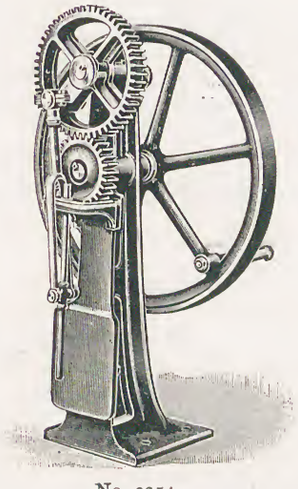
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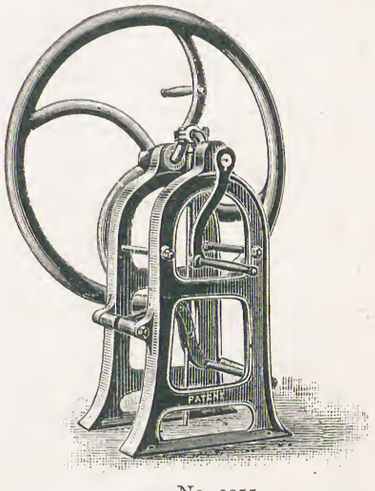
No. 3252.



No. 3253.



No. 3254.



No. 3255.

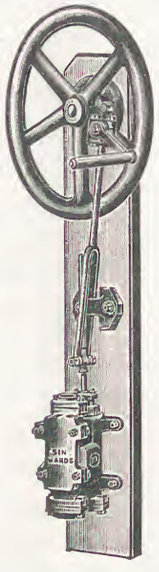
	Diameter of Bore of Working Barrel,	2½	3	3½	4 ins.
	Diameter of Bore of Suction Pipe,	1¼	1½	2	2 ,,
No. **3251.**	Chain Pump complete, with covered cistern head, 12 ft. under Spout .. .. each,	**92/9**	**103/3**	**123/6**	**163/6**
	Over 12 ft. under Spout .. ..

WARD'S PATENT FORCE PUMPS.

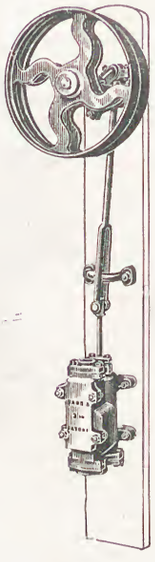
(Double Acting.)



No. **3259.**



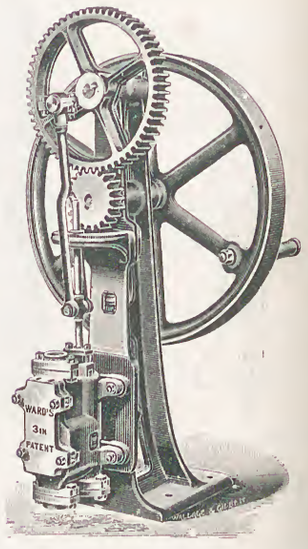
No. **3260.**



No. **3262.**



No. **3264.**



No. **3265.**

Nos.					
	Diameter of Bore of Working Barrel .. inches		$2\frac{1}{2}$	3	$3\frac{1}{2}$
	Diameter of Bore of Suction and Delivery Pipes „		$1\frac{1}{4}$	$1\frac{1}{2}$	2
3259.	Is mounted on a strong plank and fitted with Patent Fulcrum and Guide Bracket and Long Lever Handle. The working Barrel is Brass. The Bucket has double Leather Cups and Iron Discs, and the Iron Valves are faced with rubber. The Bucket Rod is Iron. The Valve Seatings and all joints are faced by machinery. The Suction and Delivery Flanges are screwed for Wrought Iron Tubing. A $2\frac{1}{2}$ inch (Fig. 3259) pump will lift **more water** to a **greater height** in a **given time** and with a **given power applied** than a $3\frac{1}{2}$ inch Single-Acting Pump..	Each.	**60/-**	**74/-**	**88/-**
3260.	Has a Pump Barrel as Fig. 3259, but is fitted with Wheel Rotary Motion and Winch Handle		**79/6**	**102/6**	**132/6**
3261.	Is similar to Fig. 3260, but has a Side Wheel Rotary Motion and Winch Handle		**88/-**	**111/-**	**141/-**
3262.	Is fitted with a Brass Working Barrel. The Bucket has double Leather Cups and Iron Discs, and the Iron Valves are faced with rubber, the Bucket Rod is Iron, working in a Brass Bushed Gland. The Valve Seatings and all joints are faced by machinery. The Suction and Delivery Flanges are screwed for Wrought Iron Tubing. The Connecting Rod has Gun-metal Marine Head. The Crankshaft is fitted with 18 in. diameter turned Pulley, $2\frac{1}{2}$ in. on face, and the Suction with a Pet Cock to destroy vacuum when necessary. Large numbers of Fig. 3262 pumps are now working in Creameries, being especially suited for their requirements	„	**136/6**	**171/-**	**197/6**
3263.	Is fitted with Brass Working Barrel. The Bucket has double Leather Cups and Iron Discs, the Iron Valves are faced with rubber, the Bucket Rod is Iron, working in Brass Bushed Gland, the Valve Seatings and joints are faced by machinery, the Crosshead is turned and works in a bored guide which forms part of the Air Vessel Casting, the Connecting Rod has a Gun-metal Marine Head, the Crankshaft is carried in a Gun-metal Bushed Bearing 5 in. long and fitted with Heavy Fly Wheel 29 in. diameter, with Handle. The Suction and Delivery Flanges are screwed for Iron tubing	„	**154/6**	**176/3**	**188/-**
3264.	Is exactly similar to Fig. 3263, but is fitted with 18 in. fast and loose Pulleys	„	**184/6**	**196/9**	**211/6**
3265.	In this Pump the Working Barrel is bolted upon a strong Cast Iron Frame and is operated by heavy Hand Wheel, arranged with wheel gearing, having a ratio of 2 to 1, 3 to 1, or $3\frac{1}{2}$ to 1 as required. This pump may be fitted with two turned Fly Wheels to act as fast and loose Pulleys when desired	„	**245/6**	**262/-**	**276/3**
3266.	Pump similar to Fig. 3265, but without wheel gearing		**192/9**	**209/-**	**223/3**

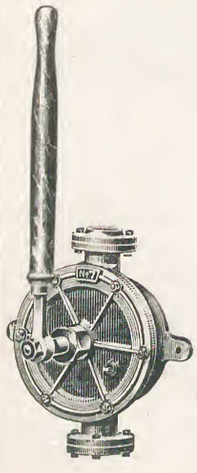
Where there is more than a few feet of Vertical Suction we recommend that a Foot Valv and Strainar be screwed to bottom of Suction Pipe.

3265 or **3266.**	If Pump Barrel is fitted with Brass Valves, Brass Bucket and Copper Bucket Rod	extra	**10/9**	**14/3**	**19/6**
	Interchangeable Draw-off Cock with Brass Plug		**7/9**	**8/9**	**10/9**
	Cast Iron Air Vessel with Dip Pipe		**7/-**	**8/9**	**10/9**
	Cast Iron Foot Valve and Strainer, screwed for Wrought Iron Tube		**5/-**	**6/-**	**7/-**

WATER DELIVERED BY WARD'S PATENT DOUBLE-ACTING POWER PUMPS.

Bore of Working Barrel	$2\frac{1}{2}$ inch.	3 inch.	$3\frac{1}{2}$ inch.
Gallons per Revolution of Crank, Fig. 3263	·1413	·2035	·2770
„ „ „ Fig. 3264	·2120	·3053	·4156
„ „ „ Figs. 3265 and 3266	·2475	·3560	·5560

SEMI-ROTARY PUMPS.



No. **3267.** Paragon Semi-Rotary Pump with Cast Iron Body, Cover and Connections, and Brass Wing, Valves, Seatings and Spindle Bearings. The Spindle is of Steel, squared where Handle is fixed on, allowing of its being secured in any position desired.

No. **3268.** Paragon Semi-Rotary Pump with the whole of the Pump and working parts in Brass. The Spindle is Steel, and, as stated above, the Handle may be fixed in any position desired.

Our Paragon Semi-Rotary Pump Bodies are Bored and Faced, and the Valves and working parts Machined by Special Tools. The Cover makes a Joint with the moving parts in a Special Manner, and ensures the satisfactory working of the Pump.

NOTES.—Where a Pump is only in occasional use for water, an ALL BRASS Pump is recommended.
Where there is a greater Suction than 4 ft., a combined Holding-up Valve and Strainer should be used.
In frosty weather the Frost Plug should be removed, and the Pump emptied of water by a few strokes of the handle.

DOUBLE ACTION.

Sizes,	0	1	2	3	4	5	6	7	8	
Diameter of Bore of Suction and Delivery Pipes ..	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2	inches.
Water Capacity per hour	240	420	450	570	870	960	1320	1560	2310	gallons.
No. **3267.** Iron Pump, Brass Valves and Seatings ..	**18/-**	**20/-**	**24/-**	**29/-**	**36/-**	**40/-**	**48/-**	**58/-**	**70/-**	each.
No. **3268.** All Brass Pump Valves and Seatings ..	**25/-**	**28/-**	**36/-**	**50/-**	**69/-**	**75/-**	**85/-**	**120/-**	**155/-**	„

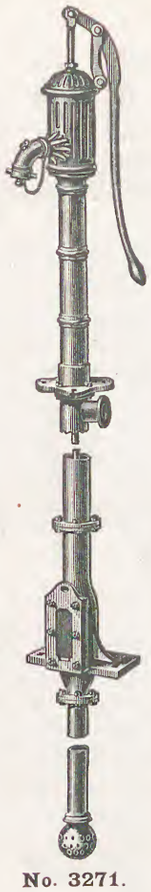
QUADRUPLE.

Sizes,	0	1	2	3	4	5	6	7	8	
Diameter of Bore of Suction and Delivery Pipes ..	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2	inches.
Water Capacity per hour	288	500	540	685	1045	1150	1585	1870	2770	gallons.
No. **3267A.** Iron Pump, Brass Valve and Seatings	**20/9**	**24/3**	**27/6**	**35/3**	**43/-**	**49/6**	**60/6**	**68/3**	**82/6**	each.
No. **3268A.** All Brass Pump, Valves and Seatings	**28/6**	**33/-**	**41/9**	**55/-**	**71/6**	**85/9**	**99/-**	**132/-**	**165/-**	„

LIFT AND LIFT AND FORCE DEEP WELL PUMPS, &c.



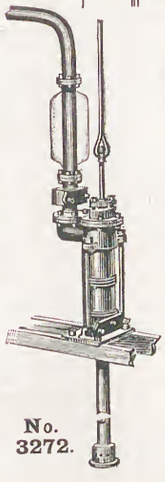
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No. 3271.



No. 3273.



No. 3272.



No. 3274.



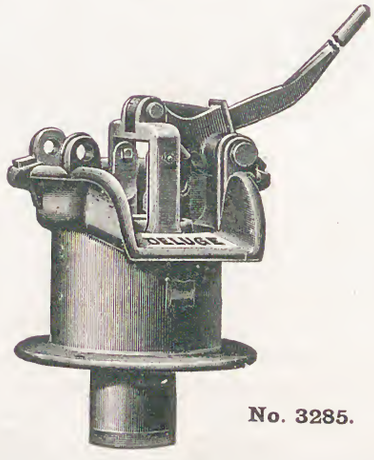
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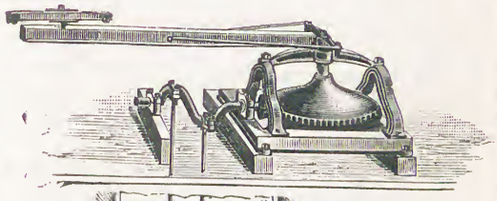
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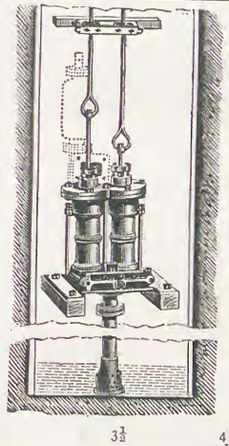


No. 3279.



No. 3285.





Nos. 3286 and 3287.

Diameter of Bore of Top Tree and Rising Main Pipes	3½	4	4½	ins.	
Diameter of Bore of Working Barrels	3	3½	4	,,	
Diameter of Bore of Suction and Delivery Pipes	1½	2	2	,,	

SPECIFICATION.

No. 3269.—Paragon Strong Deep Well Lift Pump. The Top Tree is fitted with Wrought Iron Handle, weighted to balance Rods. The Rods are of Wrought Iron, with Joggled Joints and Brass Sleeves. The Working Barrel is truly bored. The Rising Main Pipes are ½ in. diameter larger than the Bucket, to allow of its being withdrawn from the surface. All necessary Flanged Suction and Delivery Pipes, with Joints, Bolts, and Nuts, and Cast Iron Strainer are supplied complete for Well 30 ft. to surface; exceeding 30 ft. is charged per ft. extra .. **118/9 132/6 153/9 173/9** each.

No. 3270.—Is similar in all respects to Fig. 3269, except that it is fitted with Vibrating Straps and Long Handle as Fig. 3271 .. .. **125/- 141/6 163/6 185/3** ,,

No. 3271.—Is similar in all respects to Fig. 3269, but has a Stuffing Box Head, Vibrating Straps and Long Handle. It has a flanged branch just below the surface, and a Brass Cap on Spout. Where it is desired to force more than a few feet, a Cock with Brass Plug instead of Cap is recommended .. .. **190/6 201/9 224/6 249/3** ,,

No. 3272.—Paragon Strong Deep Well Lift and Force Pump, with doors for access to Suction and Retaining Valves, complete with all Rods, Roller Guides, Suction and Delivery Pipes for Well 30 ft. to surface, actuated by Fig. 3273, strong working arrangement with wrought ironwork, supported on Gun-metal Bushed Bearings, on strong Oak plank .. .. **189/3 201/9 254/3 291/9** ,,

Diameter of Bore of Working Barrel	2	2½	3	3½	4 ins.
Diameter of Bore of Suction and Delivery Pipes, Single Barrel Pumps	1	1¼	1½	2	2 ,,
Do. do. Double do.		1½	2	2	2½ ,,
Do. do. Treble do.		1½	2	2	2½ ,,

No. 3273.—Paragon Strong Wrought Iron Lever Motion, with Gun-metal Bushed Bearings and Guide; also Wrought Iron Joggled Joint with Brass Sleeve, mounted on face of strong Oak plank .. .. **35/6 36/3 45/- 46/9 50/-** each.

No. 3274.—Is similar to Fig. 3273, but is arranged for the Lever Motion to work through plank .. .. **35/6 36/3 45/- 46/9 50/-** ,,

FITTINGS.

	1	1¼	1½	2	2½	3	ins.
No. 3275.—Plain Strainer for Wrought Iron Tube	1/5	1/8	2/6	3/3	—	—	each.
No. 3276.—Plain Strainer for Wrought Iron Tube, Galvanized	3/6	4/3	6/3	8/6	—	—	,,
No. 3277.—Galvanized Wrought Iron Strainer for Hose	2/-	2/3	2/6	2/9	4/3	6/-	,,
No. 3278.—Galvanized Wrought Iron Strainer for Tube	2/6	2/9	3/-	3/6	5/3	7/-	,,
No. 3279.—Cast Iron Strainer for Tube	2/9	3/6	4/3	5/6	7/-	8/3	,,
No. 3280.—Cast Iron Strainer for Tube, Galvanized	5/3	6/6	7/9	10/6	13/3	15/3	,,
No 3281.—Cast Iron Strainer for Flanged Pipe	—	—	—	5/3	—	—	,,
No. 3282.—Cast Iron Foot Valve and Strainer, screwed for Tube	4/3	5/-	6/-	7/6	9/-	11/3	,,
No. 3283.—Cast Iron Foot Valve and Strainer, screwed for Tube, Galvanized	7/9	9/9	11/3	14/-	16/9	20/3	,,

No. 3284.—Paragon Deluge Contractor's Pump, with large Waterways for lifting quantities of dirty water from shallow depths, the Barrel is Brass Lined, and has a capacity of 1 Gallon per stroke, the Wrought Lever Handle is 5 ft. long. and has a leverage of 10 to 1, this Handle can either be worked vertically or horizontally. The Bucket is packed with rope yarn, and can be re-packed when necessary. The Pump is fixed upon a strong Barrow, and fitted with Wrought Iron connection for 3-in. Hose and 3-in. Galvanized Iron Strainer. . Diam. of Bore of Working Barrel, 10 ins. Do. Suction Pipe, 3 ins. **£7 11 9** each.

No. 3285.—Paragon Deluge Contractors' and Ships' Bilge Pump, specially designed with large waterways for lifting quantities of dirty water from shallow depths. The Barrel is lined with a Brass Cylinder. The Bucket is packed and can be withdrawn and re-packed at any moment. The Suction and Delivery Valve may be withdrawn for examination without removing the Bucket. All parts are simple and accessible. Capacity, 1 Gallon per stroke. It is recommended to fit a Strainer upon Suction Pipe for Ships' use. Do. Do. **£5 1 3** each.

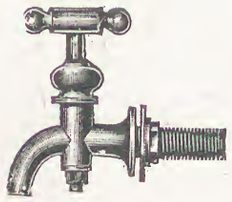
No. 3286.—Paragon Double Barrel Strong Iron Deep Well Pump, with Doors for access to Suction and Retaining Valves. All necessary Well Rods with Joggled Joints and Brass Sleeves, Roller Guides, Wrought Iron Suction and Delivery Pipes, and Cast Iron Strainer, complete for Well 30 ft. to surface, actuated by our Strong Paragon Horse Gear, suitable for one horse or two bullocks. The Strong Wrought Iron Double Crank is fitted with Wrought Iron Connecting Rods, each fitted with Gun-metal Marine Head. The Plummer Blocks have Gun-metal Bearings. The Pole is fitted with Whipple Tree and Guiding Rod for one horse, or the Gear is fitted at extra cost with two Poles for two bullocks. For considerable depths No. 3286 can be fitted with our Extra Strong Horse Gear, suitable for two horses or four bullocks. Extra Poles at extra cost.

Diameter of Bore of Working Barrel.								
2½		3		3½		4		ins
Diameter of Bore of Suction and Delivery Pipes.								
1¼		1½		2		2		ins.
£	s. d.	£	s. d.	£	s. d.	£	s. d.	
38	**3 6**	**39**	**13 6**	**42**	**13 6**	**46**	**8 6**	Each.

No. 3287.—Is exactly similar to Fig. 3286, but is fitted with Double Brass Barrel Pump, with Brass Buckets and Valves **39 13 6 41 18 6 45 13 6 50 3 6**

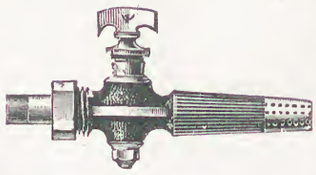
SPECIAL QUOTATIONS GIVEN FOR DEEP WELL PUMPS AND FITTINGS OF EVERY DESCRIPTION.

BEER TAPS, DRAINERS, &c.



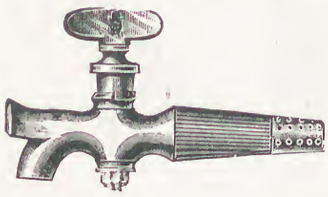
No. 3288. Spirit Tap.

Brass .. .. **2/-** each
Nickel-plated .. **3/-** ,,
"Mandal" Silver **3/6** ,,



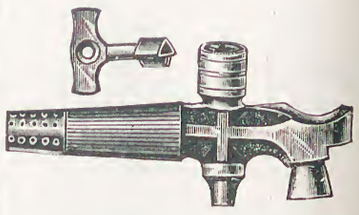
No. 3289. Brass Tapping Cock.
With Union, **4/3** each.

No. 3290. Ditto ditto.
Without Union, **3/3** each.



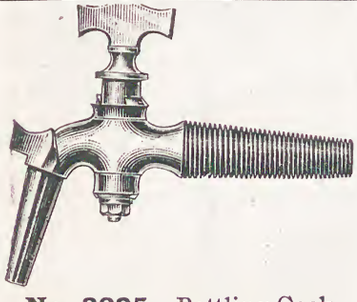
No. 3291. Brass Cellar Tap.

Nos.	Sizes, ½	⅝	¾	1 in.
3291. Night	**2/6**	**2/9**	**3/3**	**5/-** ea.
3292. Lock	**2/9**	**3/3**	**3/6**	**5/9** ,,



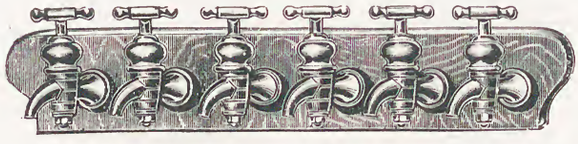
No. 3294. Brass Cellar Tap.

Sizes, ½	⅝	¾ in.
No. 3293. Night	**2/6**	**2/9**	**3/3** ea
,, 3294. Lock	**2/9**	**3/3**	**3/6** ,,



No. 3295. Bottling Cock.

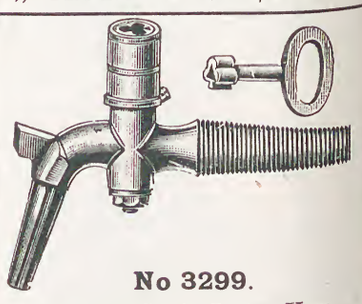
	No. 3295. Small.	No. 3296. Medium.
Brass	**3/6**	**5/-** each.
"Mandal" Silver	**5/-**	**7/-** ,,



No. 3297. Spirit Rail.

Fitted with plain Brass Taps, Gun-metal Plugs on Mahogany Rail .. .. **7/-** per tap.
Gun-metal Taps .. .. **7/6** ,,
Nickel-plated Taps.. .. .. .. **7/9** ,,
"Mandal" Silver Taps .. .. **8/9** ,,

No. 3298.
Pewter or Brass Rails, **1/3** per tap extra.



No 3299.
Bottling Cock, Loose Key.

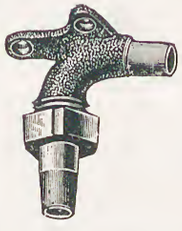
	No. 3299. Small.	No. 3300. Medium.
Brass	**4/-**	**6/3** each.
"Mandal" Silver	**5/9**	**8/6** ,,



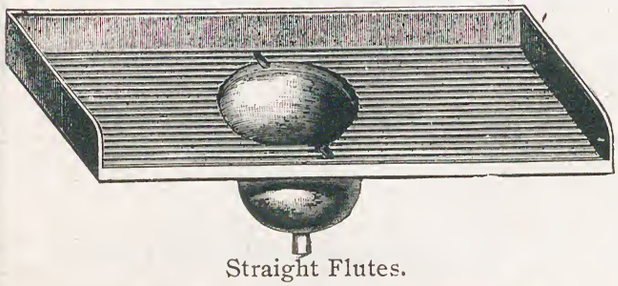
No. 3301. Lead Beer Pipe.
Solid Drawn, Tinned Inside.
½ in. **8d.**, ⅝ in. **9d.** per foot run.



No. 3302. ⅝ in. Patent Tin Piping with Pure Rubber Joints.
Price—**2/-** per foot.
No. 3303. Extra Rubber Joints **3/9** per dozen.



No. 3304.
Ceiling Union with Burr and Pipe.
2/6 each.

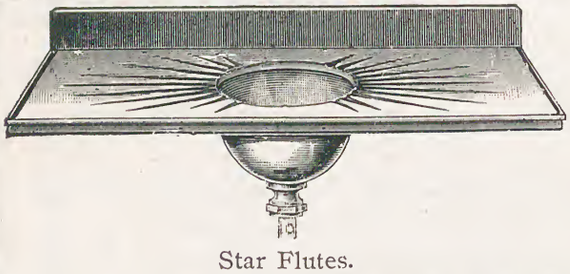


Straight Flutes.

No. 3305. Fluted Wash-up Drainer, Tinned Copper Bowl with Plug and Washer.
Pewter. **Prices**—

36×16	42×16	48×16 ins.
75/-	**87/6**	**100/-** each.

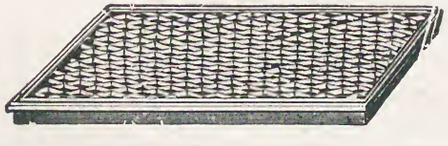
With Basin Tap instead of Plug and Washer, **3/3** extra.



Star Flutes.

No. 3306. Fluted Wash-up Drainer, Tinned Copper Bowl, with Plug and Washer.
Pewter.

Sizes, 36×16	42×16	48×16 ins.
Prices, 75/-	**87/6**	**100/-** each.



No. 3307.
Pewter Box Drainer.
Price—**3/-** per lb.

"SAFETY" CORK DRAWER.



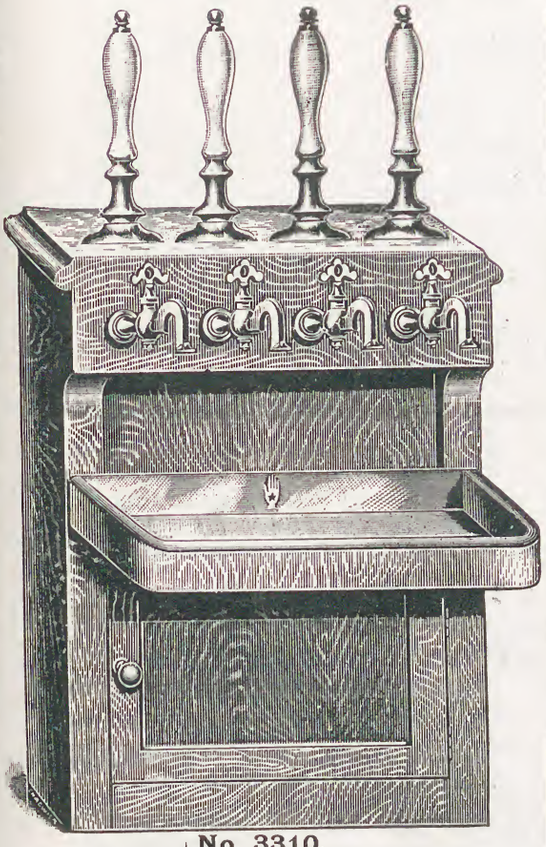
No. 3308.
To Clamp, As Drawn.
24/- each.

No. 3309.
To Screw on Counter.
26/9 each.

Beer Engines and Bar Fittings of Every Description can be supplied, and Estimates will be submitted on receipt of enquiry with Full Particulars.

"MANDAL" SILVER is a pure white metal, and takes a brilliant polish; is specially recommended for Beer Engine Fittings.

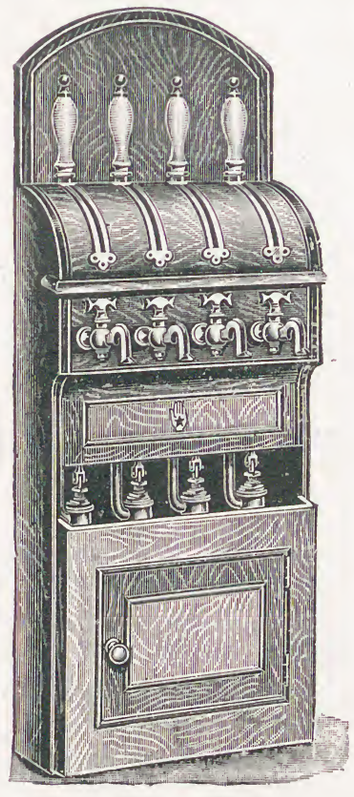
BEER ENGINES AND PULLS.



No. 3310.
Quadrant Action. Mahogany Case.

		No. 3310. Brass Mounts. £ s. d.	No. 3311. "Mandal" Silver Mounts. £ s. d.
Two Pull	.. each	5 15 0	6 6 9
Three ,,	.. ,,	8 2 9	9 0 0
Four ,,	.. ,,	10 0 0	11 3 6
Five ,,	.. ,,	12 8 6	13 17 6
Six ,,	.. ,,	15 0 0	16 16 0
Eight ,,	.. ,,	19 16 6	22 3 6

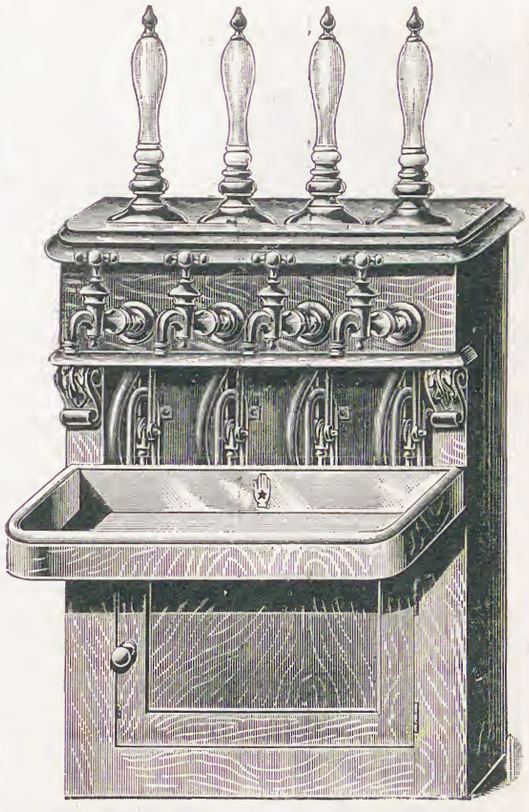
Extras { Gun-metal Mounts **3/9** Ebony Handles with band **3/9**; Plain Ebony Handles **2/6** Fancy Handles, from **3/9** per pull.



No. 3312.

"Sweep" Pattern. Mahogany Case.
Special Cheap Pattern.

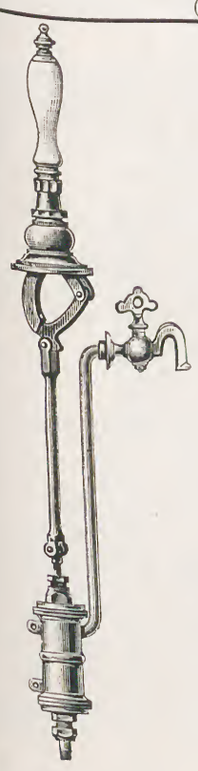
		£ s. d.
Two Pull	.. each	5 3 0
Three ,,	.. ,,	6 12 9
Four ,,	.. ,,	8 11 0
Five ,,	.. ,,	10 14 6
Six ,,	.. ,,	12 17 0
Eight ,,	.. ,,	17 3 0



No. 3314. Wheel Guide Action. Mahogany Case. Polished Solid Mahogany, Double Moulded Top with Round Corners, Strong Quadrant Levers, Special Front Taps, fitted with Wheel Guide Rods and Unions on Cylinders. Complete with Straight Tapping Cock and Union and Wrench.

		No. 3314. Brass Mounts. £ s. d.	No. 3315. Pewter Top. £ s. d.
Two Pull	.. each	7 1 0	7 12 6
Three ,,	.. ,,	9 12 6	10 16 0
Four ,,	.. ,,	12 6 6	13 10 0
Five ,,	.. ,,	15 5 6	16 14 6
Six ,,	.. ,,	18 10 0	20 5 0
Eight ,,	.. ,,	24 13 6	27 0 0
"Mandal" Silver Mounts and Front Cocks			9/- pull extra.
Gun-metal	,,	,,	3/9 ,,

The Price of all Beer Engines includes Pewter-lined Drip, Wrench, White or Cream China Handles, Straight Tapping Cock and Union (No. 3289) to each Pull. Pipe is charged extra according to size and quality required (see page 667).



Beer Pull.

No. 3316.

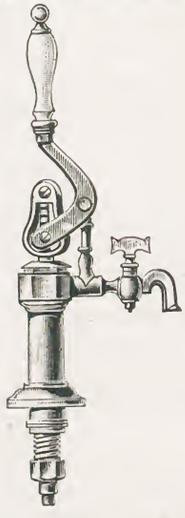
Brass.
42/9 each.

Nickel-plated.
48/9 each.

Gun-metal.
47/6 each.

"Mandal" Silver.
51/9 each.

Complete with Tapping Cock.



Counter Pillar Pump.
No. 3317.

Brass	**44/9** each.
Nickel-plated	**52/3** ,,
"Mandal" Silver ..	**58/9** ,,

No. 3318.
Fancy Handles **3/6** extra.

Beer Pull.

No. 3319.
With Wheel Guide.

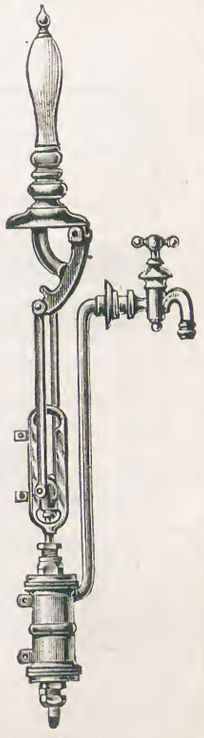
Brass **47/-** each.

Nickel-plated **52/9** each.

Gun-metal **52/3** each.

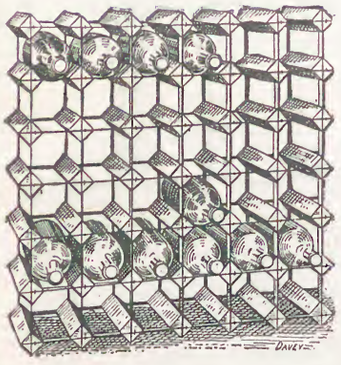
"Mandal" Silver.
56/3 each.

Complete with Tapping Cock.



"MANDAL" SILVER is a pure White Metal and takes a Brilliant Polish; is specially recommended for Beer Engine Fittings.

WOOD BLOCK WINE BINS.



WINE BINS.

No. 3320.

Sizes kept in Stock for ordinary Wines—Pints, &c.

Doz.	Ins.	Ins.	Ins.	Ins.
3 ..	24	× 24	or 36	× 16
4 ..	32	× 24		
6 ..	46½	× 24	or 36	× 32
8 ..	46½	× 32		
10 ..	46½	× 38⅓		
12 ..	46½	× 46½		
18 ..	72	× 46½		

CHAMPAGNE BINS.

No. 3321.

Stock sizes for Champagne. Quarts.

Doz.	Ins.	Ins.
3	25½	× 25½
4	33½	× 25½
6	48½	× 25½
8	48½	× 33½
10	48½	× 41½
12	48½	× 48½
18	75	× 48½

Price, per dozen bottles.

With Plain Hooping ..	**2/9**
With Galvanized Hooping	**3/-**
Stained and Varnished ..	**3/3**

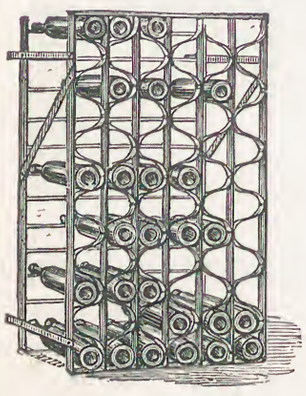
SAFETY and STRENGTH are the chief points that commend this BIN, which consists of WOOD BLOCKS fastened together with IRON HOOPS, the Wood only coming into contact with the Bottle—preventing breakage. They will safely hold PINTS or HALF BOTTLES as well as QUARTS. They can be used either on the one side or the other, *i.e.*, a Bin, say 4 ft. × 2 ft., can be reversed 4 ft. high or 2 ft. high.

PORTABLE IRON WINE BINS.

CELLULAR WINE BINS.

No. 3322.

	Height.	Width.	Depth.	£	s.	d.	
2 doz. ..	1 ft. 3 ins. ..	2 ft. 0 ins. ..	12 ins. ..	**0**	**8**	**0**	each.
3 ,, ..	2 ,, 0 ,, ..	2 ,, 0 ,, ..	12 ,, ..	**0**	**10**	**0**	,,
4 ,, ..	2 ,, 6 ,, ..	2 ,, 0 ,, ..	12 ,, ..	**0**	**13**	**3**	,,
6 ,, ..	3 ,, 9 ,, ..	2 ,, 0 ,, ..	12 ,, ..	**1**	**0**	**0**	,,
8 ,, ..	3 ,, 9 ,, ..	2 ,, 7½ ,, ..	12 ,, ..	**1**	**6**	**9**	,,
10 ,, ..	3 ,, 9 ,, ..	3 ,, 3 ,, ..	12 ,, ..	**1**	**13**	**3**	,,
12 ,, ..	3 ,, 9 ,, ..	3 ,, 10½ ,, ..	12 ,, ..	**2**	**0**	**0**	,,
16 ,, ..	5 ,, 0 ,, ..	3 ,, 10½ ,, ..	12 ,, ..	**2**	**13**	**3**	,,
18 ,, ..	5 ,, 7 ,, ..	3 ,, 10½ ,, ..	12 ,, ..	**3**	**0**	**0**	,,
20 ,, ..	6 ,, 3 ,, ..	3 ,, 10½ ,, ..	12 ,, ..	**3**	**6**	**9**	,,



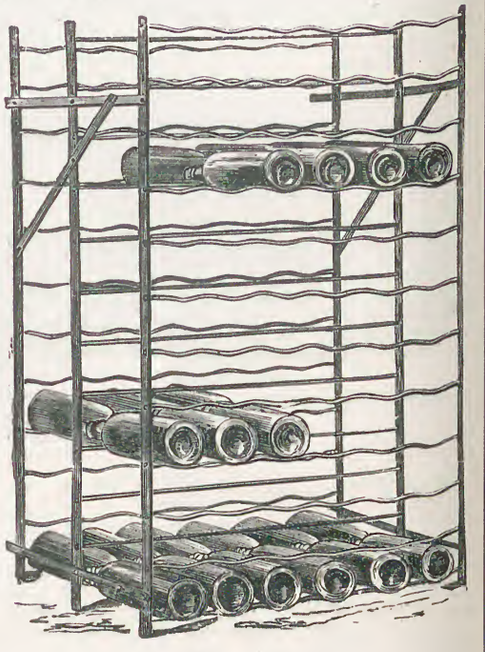
No. 3322.

DOUBLE BINS FOR WINES, CLARETS, &c.

No. 3323.

	Height.	Width.	Depth.	Price. £	s.	d.	With Doors. £	s.	d.	
6 doz.	2 ft. 0 ins.	2 ft. 0 ins.	19 ins. ..	**0**	**10**	**0**	**0**	**16**	**0**	each.
8 ,,	2 ,, 8 ,,	2 ,, 0 ,,	19 ,, ..	**0**	**13**	**3**	**1**	**1**	**3**	,,
10 ,,	3 ,, 4 ,,	2 ,, 0 ,,	19 ,, ..	**0**	**16**	**6**	**1**	**6**	**9**	,,
12 ,,	4 ,, 0 ,,	2 ,, 0 ,,	19 ,, ..	**1**	**0**	**0**	**1**	**12**	**0**	,,
16 ,,	4 ,, 0 ,,	2 ,, 7 ,,	19 ,, ..	**1**	**6**	**9**	**2**	**2**	**9**	,,
18 ,,	4 ,, 0 ,,	2 ,, 11 ,,	19 ,, ..	**1**	**10**	**0**	**2**	**8**	**0**	,,
20 ,,	4 ,, 0 ,,	3 ,, 2 ,,	19 ,, ..	**1**	**13**	**3**	**2**	**13**	**3**	,,
24 ,,	4 ,, 0 ,,	3 ,, 10 ,,	19 ,, ..	**2**	**0**	**0**	**3**	**4**	**0**	,,
30 ,,	5 ,, 0 ,,	3 ,, 10 ,,	19 ,, ..	**2**	**10**	**0**	**4**	**0**	**0**	,,
36 ,,	6 ,, 0 ,,	3 ,, 10 ,,	19 ,, ..	**3**	**0**	**0**	**4**	**16**	**0**	,,

If made to order, **2**/- per doz. bottles. With Doors, **3/3** per doz.
If Galvanized, **7**d. per doz. extra. With Doors, **1/3** per doz. extra.



No. 3323.

FRENCH PATTERN WINE BINS.

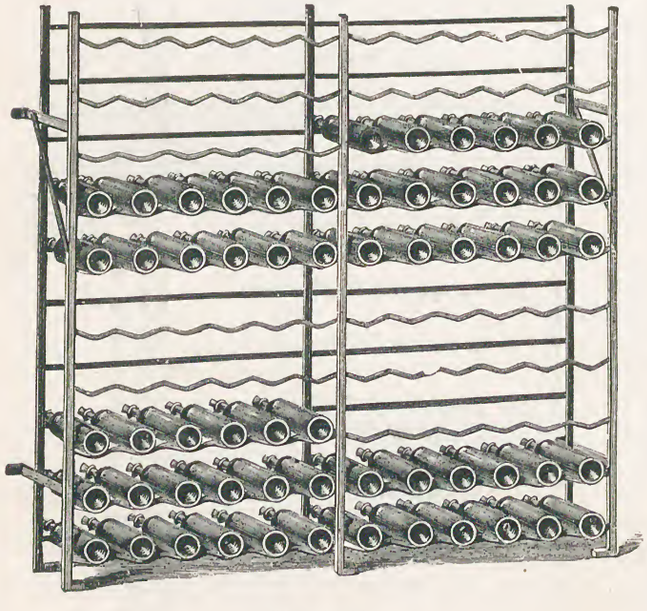
STRAIGHT RODS AT BACK.

No. 3324.

Stock Sizes for Wines, Claret, Hock, &c.

	Height. ft. ins.	Width. ft. ins.	Depth.	Price. £	s.	d.	With Doors. £	s.	d.	
4 doz. ..	3 0 ..	2 0 ..	12 ins. ..	**0**	**7**	**0**	**0**	**13**	**3**	each.
6 ,, ..	4 0 ..	2 0 ..	12 ,, ..	**0**	**10**	**9**	**1**	**0**	**0**	,,
8 ,, ..	4 0 ..	2 6 ..	12 ,, ..	**0**	**14**	**3**	**1**	**6**	**9**	,,
10 ,, ..	4 0 ..	3 1 ..	12 ,, ..	**0**	**17**	**9**	**1**	**13**	**3**	,,
12 ,, ..	4 0 ..	3 9 ..	12 ,, ..	**1**	**1**	**3**	**2**	**0**	**0**	,,
14 ,, ..	4 8 ..	3 9 ..	12 ,, ..	**1**	**4**	**9**	**2**	**6**	**9**	,,
16 ,, ..	5 4 ..	3 9 ..	12 ,, ..	**1**	**8**	**6**	**2**	**13**	**3**	,,
18 ,, ..	6 0 ..	3 9 ..	12 ,, ..	**1**	**12**	**0**	**3**	**0**	**0**	,,
20 ,, ..	6 8 ..	3 9 ..	12 ,, ..	**1**	**15**	**6**	**3**	**6**	**9**	,,
24 ,, ..	8 0 ..	3 9 ..	12 ,, ..	**2**	**2**	**9**	**4**	**0**	**0**	,,

If made to order, **2**/-; with Doors, **4**/- per doz. If Galvanized, **8**d. per doz. extra; with Doors, **1/3** per doz. extra.



No. 3324.

FRENCH PATTERN WINE BINS.

CORRUGATED RODS BACK AND FRONT.

No. 3325.

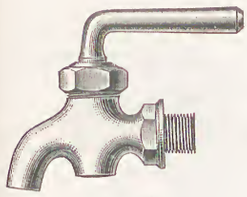
Stock sizes for Wines, Clarets, &c.

	Height. ft. ins.	Width. ft. ins.	Depth.	Price £	s.	d.	
4 doz. ..	3 0 ..	2 0 ..	12 ins.	**0**	**8**	**0**	each.
6 ,, ..	4 0 ..	2 0 ..	12 ,,	**0**	**12**	**0**	,,
8 ,, ..	4 0 ..	2 6 ..	12 ,,	**0**	**16**	**0**	,,
10 ,, ..	4 0 ..	3 1 ..	12 ,,	**1**	**0**	**0**	,,
12 ,, ..	4 0 ..	3 9 ..	12 ,,	**1**	**4**	**0**	,,
14 ,, ..	4 8 ..	3 9 ..	12 ,,	**1**	**8**	**0**	,,
16 ,, ..	5 4 ..	3 9 ..	12 ,,	**1**	**12**	**0**	,,
18 ,, ..	6 0 ..	3 9 ..	12 ,,	**1**	**16**	**0**	,,
20 ,, ..	6 8 ..	3 9 ..	12 ,,	**2**	**0**	**0**	,,
24 ,, ..	8 0 ..	3 9 ..	12 ,,	**2**	**8**	**0**	,,

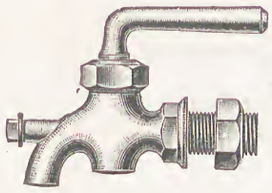
If made to order, **2/3** per doz. bottles. If Galvanized, **8**d. per doz. extra.

GUN-METAL STEAM FITTINGS.

GAUGE COCKS.



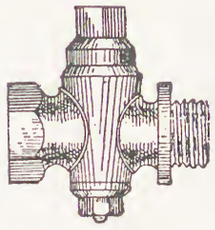
No. **3326.**



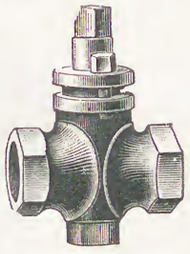
No. **3327.**

	Sizes ¼	⅜	½	⅝	¾	⅞	1 in.
No. **3326.** Gauge Cock with Deep Barrel and S.B. Top.	**4/6**	**5/3**	**7/-**	**8/6**	**9/-**	**12/9**	**15/9** ea.
No. **3327.** do. With Cleaning Screw	**4/9**	**5/6**	**7/6**	**9/-**	**9/9**	**13/6**	**16/6** ,,
No. **3328.** Gauge Cock, Asbestos packed	—	—	**12/9**	—	**16/6**	—	**18/-** ,,
No. **3329.** do. do. With Cleaning Screw	—	—	**14/3**	—	**18/-**	—	**19/6** ,,

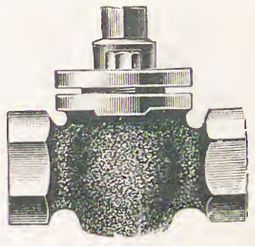
STEAM STOP COCKS.



No. **3331.**



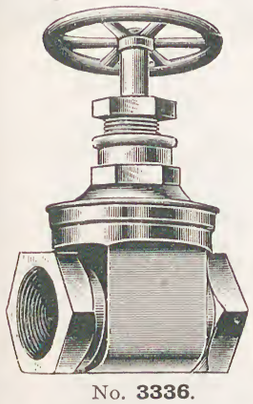
No. **3332.**



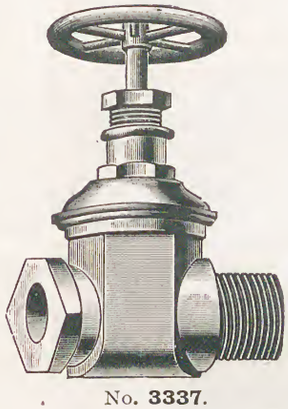
No. **3334.**

	Sizes ¼	⅜	½	¾	1	1¼	1½	1¾	2	2¼	2½	3 in.
No. **3330.** Screw Bottom. F. No. **3331.** M and F.	**2/6**	**3/-**	**3/9**	**6/-**	**9/-**	**13/6**	**17/3**	**25/6**	**27/9**	**40/6**	**52/6**	**71/3** ea.
No. **3332.** Gland Cock. F. No. **3333.** M and F.	**2/9**	**3/3**	**4/6**	**6/9**	**9/6**	**14/6**	**20/6**	**28/9**	**32/3**	**45/-**	**57/9**	**78/9** ,,
No. **3334.** Asbestos packed.	**5/3**	**6/-**	**8/9**	**12/9**	**19/6**	**33/9**	**41/3**	—	**67/6**	—	**120/-**	**165/-** ,,
No. **3335.** do. Flanged	—	—	**13/6**	**16/6**	**24/9**	**45/-**	**56/3**	—	**86/3**	—	**135/-**	**180/-** ,,

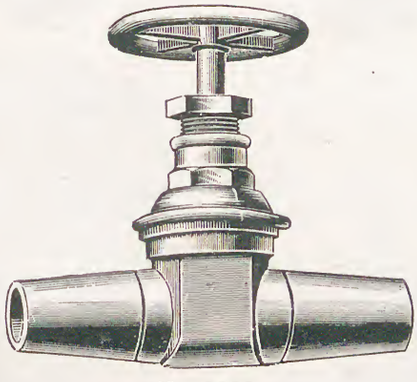
PEETS' VALVES.



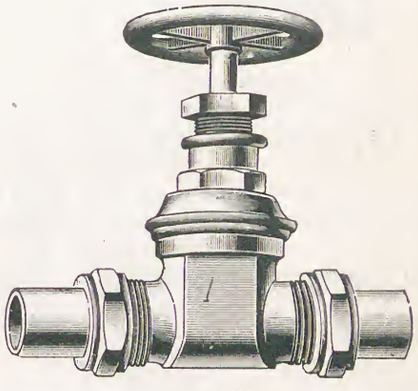
No. **3336.**



No. **3337.**



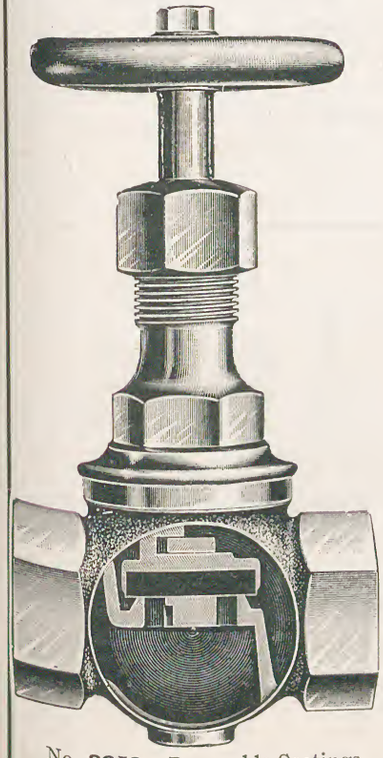
No. **3339.**



No. **3340.**

Straight Full-way Wheel or Peets' Valves.

	Sizes ½	¾	1	1¼	1½	2	2¼	2½	3	3½	4 in.
No. **3336.** Both ends Female No. **3337.** Male and Female No. **3338.** Both ends Male No. **3339.** Tinned both ends	**4/9**	**5/9**	**8/-**	**10/9**	**13/3**	**19/6**	**46/-**	**46/-**	**53/6**	**75/-**	**92/-** each.
No. **3340.** Unions both ends	**10/3**	**13/-**	**15/6**	**21/9**	**24/9**	**38/-**	**71/6**	**71/6**	**83/-**	—	— ,,



No. **3343.** Renewable Seatings.

	¼	⅜	½	¾	1	1¼	1½	2	2½	3 in.
	4/3	**5/6**	**5/6**	**8/6**	**8/6**	**11/3**	**14/-**	**19/6**	**33/6**	**46/-** doz.

IMPROVED WHEEL VALVE.

No. **3341.**

With Renewable Asbestos Valve.

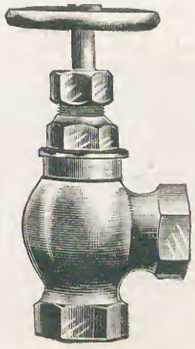
	Sizes ¼	⅜	½	¾	1	1¼	1½	2 in.
No. **3341.** With each end Screwed Female	**3/3**	**3/9**	**4/6**	**6/3**	**8/-**	**11/3**	**16/-**	**24/-** ea.
No. **3342.** Flanged each end.	**6/3**	**7/-**	**8/9**	**11/3**	**16/-**	**20/9**	**28/-**	**40/-** ,,

The loose Valves are made of specially prepared Composition and can be renewed at any time at a nominal cost by simply inserting new washer without removing the fitting and thus save cost of removing.

Each Valve has full area way through for their respective sizes.

"ANGLE" WHEEL STEAM VALVE.

No. **3344.**

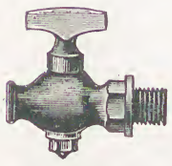


Sizes

¼	⅜	½	¾	1	1¼	1½	2 in.
2/9	**3/6**	**4/6**	**6/6**	**9/-**	**13/3**	**17/-**	**26/3** each.

GUN-METAL STEAM FITTINGS.

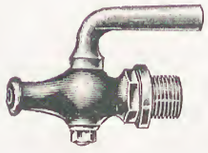
AIR COCK.



No. **3345.**

Sizes $\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ inch.
1/9 **1/9** **3**/- each

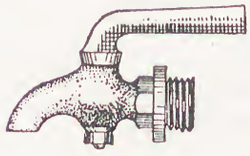
PET COCK.



No. **3346.**

Sizes $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ inch.
1/9 **3**/- **3/9** **6**/- **7/6** each.

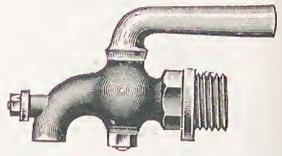
GAUGE COCK.



No. **3347.**

Sizes $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ inch.
2/- **3**/- **3/9** **6**/- **7/6** each.

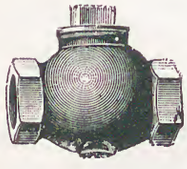
GAUGE COCK.



No. **3348.**

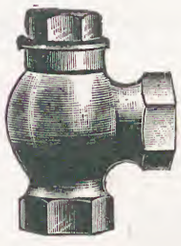
Sizes $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ inch.
2/3 **3/6** **4/6** **6/6** **8/3** each.

CHECK VALVES.



No **3349.**

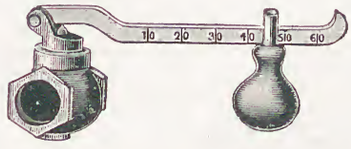
Sizes $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 inch.
2/6 **2/9** **3/3** **5/6** **7/9** each.
$1\frac{1}{4}$ $1\frac{1}{2}$ 2 inches.
11/- **15/6** **24/3** each.



No. **3350.** Angle.

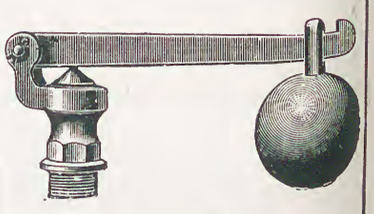
Sizes $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 inch.
3/- **3/6** **6**/- **8/3** each.
$1\frac{1}{4}$ $1\frac{1}{2}$ 2 inches.
11/6 **16/3** **26/6** each.

LEVER SAFETY VALVES.



No. **3351.** Female Ends.

Sizes $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ 2 ins.
9/- **13/6** **15/9** **18/9** **27**/- **42**/-
each.



No. **3352.**

Sizes $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ 2 ins.
7/9 **9/6** **11**/- **14/9** **18/3** **23**/-
each.

BLOW-OFF COCK.

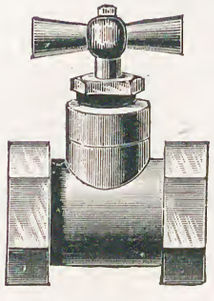


No. **3353.**

Gun-metal.

Sizes 2 $2\frac{1}{2}$ 3 inches.
45/- **67/6** **90**/- each.

THROTTLE VALVE.

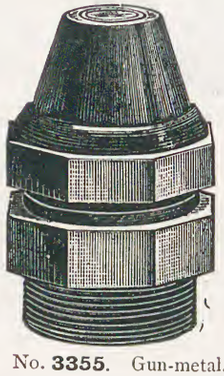


No. **3354.**

Gun-metal.

Sizes 1 $1\frac{1}{2}$ 2 $2\frac{1}{2}$ inches.
13/3 **18/9** **24/3** **43**/- each.

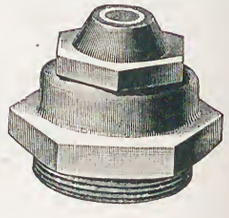
FUSIBLE PLUGS.



No. **3355.** Gun-metal.

Screwed for	Each.	Extra Caps, each.
$\frac{1}{2}$ in. Iron Pipe..	5/-	2/3
$\frac{3}{4}$,, ,, ..	6/-	2/9
1 ,, ,, ..	8/3	4/-
$1\frac{1}{4}$,, ,, ..	10/3	5/-
$1\frac{1}{2}$,, ,, ..	13/3	6/3
2 ,, ,, ..	18/-	8/9

Removeable Cone.



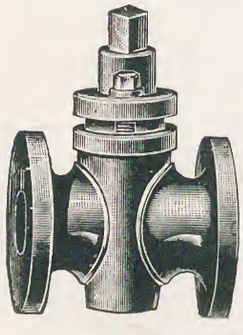
No. **3356.**

"National" Patent Improved Valve-seated Plug, Low Pressure Type, for pressures to 1colb. per sq. inch.

	Gas Thread on Seating. 1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Price, including one extra Cone	16/-	16/-	20/-	32/-
Additional Cones	4/-	4/-	4/9	6/3
Key for Cone	1/7	1/7	1/7	2/3

each.

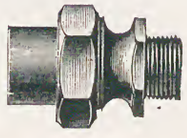
FLANGED GLAND BLOW-OFF COCK.



No. **3356A.**

Sizes $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ inch.
Price 9/3 **13/3** **20/6** **26**/- each.
Sizes $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 inches.
Price 35/- **56**/- **91/6** **124**/- each.

STEAM UNION.

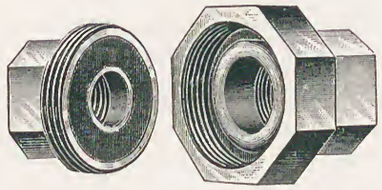


No. **3357.**

Sizes $\frac{1}{4}$ inch .. **1/9** each.
$\frac{3}{8}$,, .. **2/6** ,,
$\frac{1}{2}$,, .. **3/6** ,,
$\frac{3}{4}$,, .. **5**/- ,,
1 ,, .. **7**/- ,,
$1\frac{1}{4}$,, .. **9/6** ,,
$1\frac{1}{2}$,, .. **12/6** ,,
2 ,, .. **18/9** ,,

STEAM UNION,

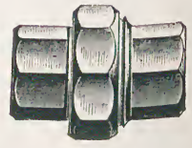
With Renewable Disc.



No. **3358.** Improved "Ideal."

Sizes, in. $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3
Unions ea. **1/9** **2/-** **2/6** **2/9** **4/3** **6/3** **8/-** **12/6** **19/6** **33/6**
Renewable Discs, doz. **4/3** **5/6** **5/6** **8/6** **8/6** **11/3** **14/-** **19/6** **33/6** **46/-**

STEAM UNION.



No. **3359.**

Sizes—$\frac{1}{4}$ inch .. **2**/- each.
$\frac{3}{8}$,, .. **2/9** ,,
$\frac{1}{2}$,, .. **3/9** ,,
$\frac{3}{4}$,, .. **5/9** ,,
1 ,, .. **7/3** ,,
$1\frac{1}{4}$,, .. **9/9** ,,
$1\frac{1}{2}$,, .. **11/9** ,,
2 ,, .. **16/3** ,,

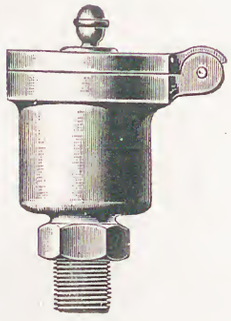
OIL SYPHONS.



No. 3360.

Screwed Lid.

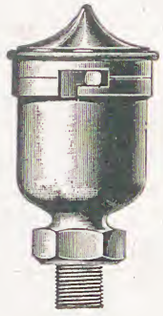
½	¾	1	1¼	1½	2	2½ in.
⅛	⅛	¼	¼	¼	⅜	½ in. Iron Pipe
10d.	1/4	1/9	2/4	3/3	4/9	7/6 each.



No. 3361.

Hinged Lid.

1	1¼	1½	1¾	2	2½	3 in.
¼	¼	¼	⅜	⅜	½	½ in. Iron Pipe.
2/-	2/6	3/6	4/3	5/-	8/-	11/3 each.

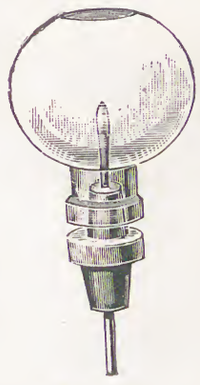


No. 3362.

Bayonet Lid.

¾	1	1¼	1½	1¾	2	2½ in.
⅛	¼	¼	¼	⅜	⅜	½ in. Iron Pipe.
1/9	2/-	2/6	3/9	4/9	5/6	8/- each.

LUBRICATOR.

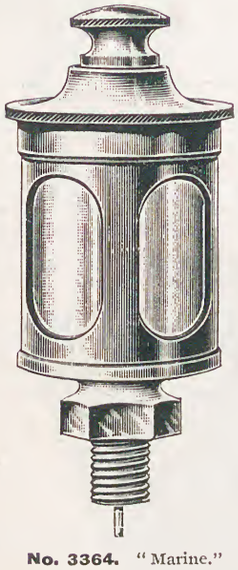


No. 3363.

Glass Needle Lubricators.

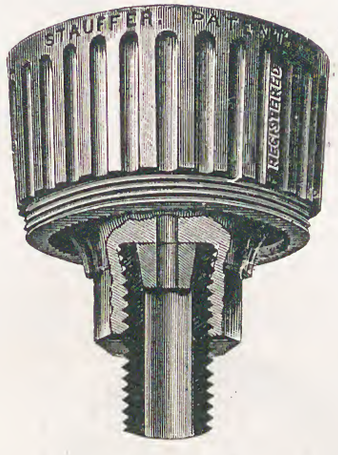
1½	1¾	2	2½	2½	3	3½	4 in. diameter
½	1	1½	2¼	3	5½	10	14 oz. capacity.
3/6	3/6	3/6	3/9	3/9	4/-	5/3	6/- per dozen.

LUBRICATORS.



No. 3364. "Marine."

Diameters	1½	1¾	1¾	2	2½	3	3½ in.
	4/-	5/3	6/9	8/-	9/9	11/3	14/9 each.



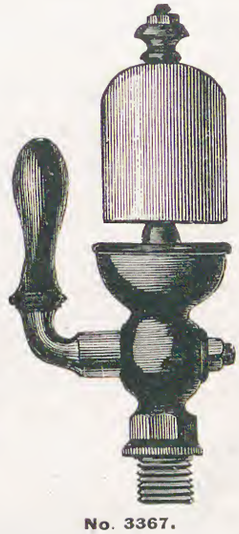
No. 3365. "Stauffer's"

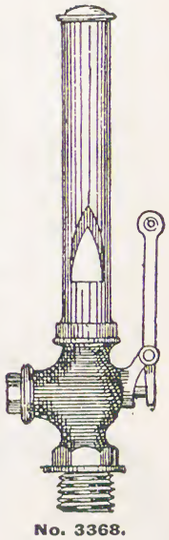
Fluted Toughened Iron, Patent Unbreakable.

Outside diameter... ...	1⅜	1⅝	2⅛	2⅝	3⅛	3⅝	4¼ in.
Thread on Shank ...	¼	¼	¼	¼	⅜	⅜	⅜ in.
Corresponding approximate diameter of Shaft	1¼	1⅝	2⅛	3	4	5	6 in.
Price	1/3	1/6	1/9	2/3	3/-	3/9	5/- each.

WHISTLES.



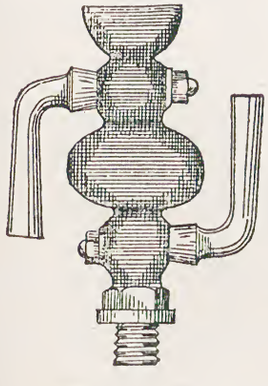




No. 3366. **No. 3367.** **No. 3368.**

Sizes	1	1¼	1½	2	2½	3	4	5 in.
No. 3366. Steam Whistle	5/3	6/-	7/6	10/6	15/-	20/3	31/6	48/9 each.
No. 3367. Ditto, with Cock	7/6	9/9	11/3	15/9	21/-	30/-	45/-	72/- each.
Sizes	1	1¼	1½	1¾	2	2¼	2½	2¾ in. dia.
Screwed for Iron	⅜	¾	¾	1	1¼	1¼	1½	1½ in.
No. 3368. Organ	14/3	22/6	24/-	32/3	38/3	42/-	46/6	54/- each

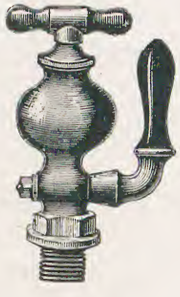
TALLOW CUPS.



No. 3369. Double.

Wood or Metal Handle.

1¼	1½	1¾	2	2½	3	3½	4 in.
6/3	6/9	7/9	8/9	12/3	15/9	21/3	27/- each.

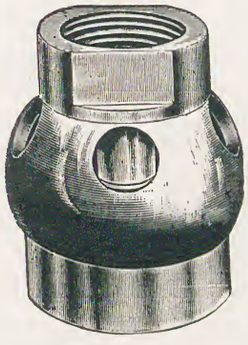


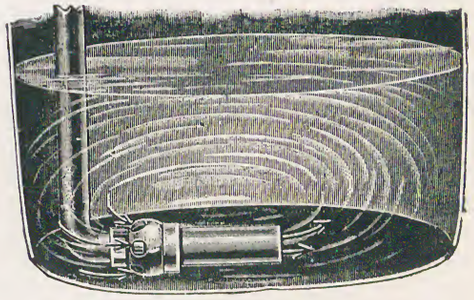
No. 3370. Single.

Wood or Metal Handle.

1¼	1½	1¾	2	2½	3	3½	4 in.
5/9	6/-	6/9	7/6	10/9	14/3	18/9	24/- each.

INTERNATIONAL NOISELESS WATER HEATER OR STEAM MUFFLER.



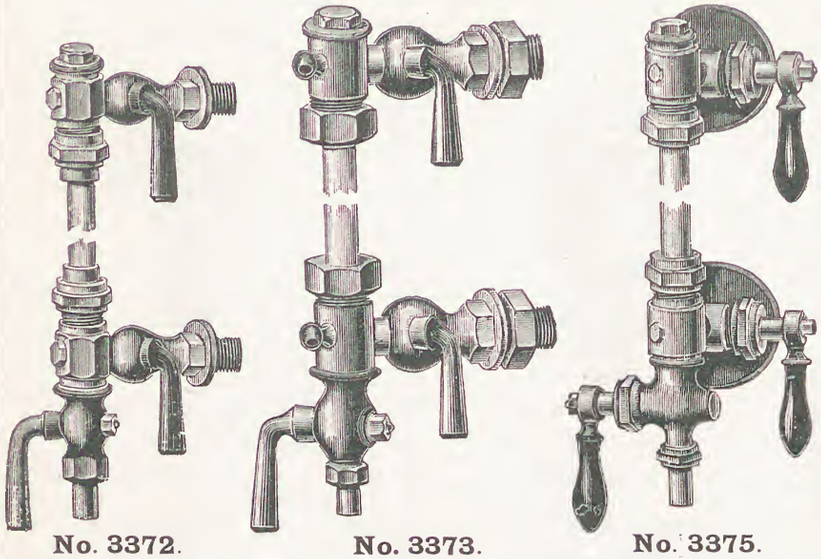


No. 3371.

Sizes	⅜	½	¾	1	1¼	1½	2 in.
Price	7/-	8/6	10/6	12/6	16/9	21/-	33/6 each.

⅜ in.	will heat	50	gallons of water at summer heat to	210	degs. in	25	mins. with	70	pounds steam.
½ in.	,,	50	,,	,,	,,	,,	210	,,	20	,,	70	,,
¾ in.	,,	50	,,	,,	,,	,,	210	,,	15	,,	70	,,
1 in.	,,	50	,,	,,	,,	,,	210	,,	12	,,	70	,,

WATER GAUGES.



No. 3372. **No. 3373.** **No. 3375.**

	Sizes, ¼	⅜	½	⅝	¾	⅞	1 in.	
No. 3372. Round Barrel Gauge	**16/6**	**18/-**	**19/9**	**24/-**	**29/9**	**41/9**	**46/-**	Per Set.
No. 3373. Ditto, with Screwed Ends	—	**19/9**	**23/-**	**28/6**	**37/6**	**46/-**	**57/-**	,,
No. 3374. Ditto, with Flanges	—	**23/-**	**26/6**	**34/-**	**46/-**	**57/-**	**68/-**	,,
No. 3375. Ditto, with Flanges, Gland packed Gauges	—	—	**37/6**	**47/6**	**58/6**	—	**77/-**	,,
No. 3376. Ditto, with Screwed Ends, Gland packed Gauge	—	—	**34/-**	**41/9**	**49/6**	—	**66/-**	,,

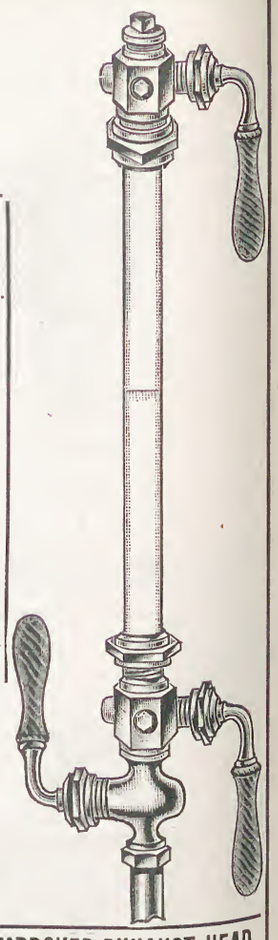
GAUGE GLASSES.

No. 3377.

"Beacon" Ground Ends.

Red Indicating Line.

Length Inches.	7/16, ⅜ & ½	9/16 & ⅝	11/16, ¾ & 13/16	⅞	15/16 & 1 in.	
8	**4/6**	**5/-**	**6/6**	**7/6**	**8/6**	doz.
9	**4/6**	**5/-**	**7/-**	**8/-**	**9/6**	,,
10	**5/-**	**5/6**	**7/6**	**8/6**	**10/6**	,,
11	**5/6**	**6/-**	**8/-**	**9/-**	**11/6**	,,
12	**6/-**	**6/6**	**8/6**	**9/6**	**12/6**	,,
13	**6/6**	**7/-**	**9/-**	**10/-**	**13/6**	,,
14	**7/-**	**7/6**	**9/6**	**11/-**	**14 6**	,,
15	**7/6**	**8/-**	**10/6**	**12/-**	**16/-**	,,
16	**8/-**	**8/6**	**11/-**	**13/-**	**17/6**	,,
17	**8/6**	**9/-**	**11/6**	**14/-**	**19/-**	,,
18	**9/-**	**9/6**	**12/6**	**15/-**	**20/6**	,,
19	**9/6**	**10/-**	**13/-**	**16/-**	**22/-**	,,
20	**10/-**	**10/6**	**14/-**	**17/-**	**23/6**	,,
22	**11/-**	**11/6**	**15/6**	**19/-**	**27/6**	,,
24	**12/-**	**12/6**	**17/6**	**21/-**	**30/6**	,,



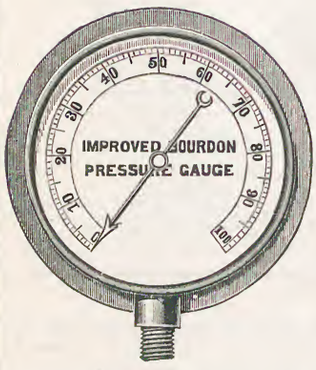
No. 3378.

GAUGE GLASS RINGS.

Sizes, ½ ⅝ ¾ ⅞ 1 in.

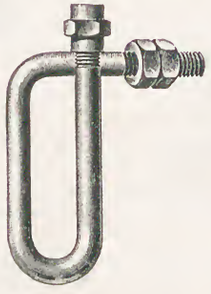
Prices—1/- 1/2 1/4 1/6 1/9 per doz.

BOURDON'S PRESSURE GAUGES.



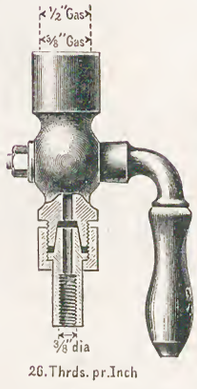
Improved Bourdon's Pressure Gauge, with Central Hand.

No. 3379.



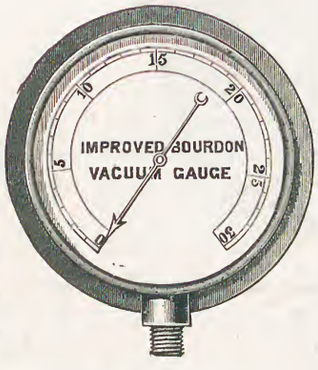
Iron Syphon with Collar and Loose Nut.

No. 3381.



26 Thrds. pr. Inch

No. 3382.



Improved Bourdon's Vacuum Gauge, Central Hand.

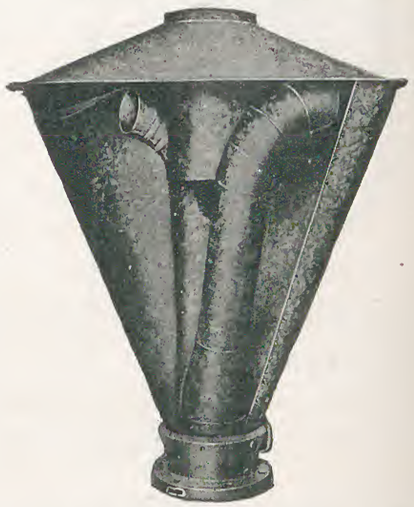
No. 3380.

	Diameter of Dials, 3	4	5	6	7	8	9	10 ins.	
	Sizes of Connecting Thread, ¼	⅜	⅜	⅜	⅜	⅜	½	½ ,, gas.	
No. 3379	Bourdon's Pressure ..	**24/-**	**27/-**	**31/6**	**36/-**	**40/6**	**46/6**	**54/-**	**63/-**	each.
,, **3380.**	Ditto. Vacuum ..	**24/-**	**27/-**	**31/6**	**36/-**	**40/6**	**46/6**	**54/-**	**63/-**	,,
,, **3381.**	Iron Syphon with Collar and Loose Nut ..	**4/6**	**5/-**	**5/-**	**5/-**	**5/-**	**5/-**	**6/3**	**6/3**	,,
,, **3382.**	Pressure Gauge Cock	**5/6**	**6/3**	**6/3**	**6/3**	**6/3**	**6/3**	**7/3**	**7/3**	,,

SYPHON CAN BE SUPPLIED IN COPPER IF DESIRED.

GAUGES INDEXED TO ORDER.

No. 3382a. STURTEVANT IMPROVED EXHAUST HEAD.



The Sturtevant Exhaust Head is designed to separate the water and oil from exhaust steam by the utilization of centrifugal force. The head is attached in a vertical position directly to the top of the exhaust pipe, from which the steam passes up to the internal branch pipes and is discharged tangentially within the case. It is thus given a vigorous whirling motion and the entrained water—likewise the oil—is thrown outward with great force, strikes the sides and trickles down to the drain at the bottom. The exhaust steam, freed from oil and water, finds ready escape through the central opening in the top, which the water cannot reach due to the opposing action of gravitation.

As water weighs nearly 1,700 times as much as exhaust steam per unit of volume, and as centrifugal force is proportional to the weights of the bodies in motion, it is evident that the force acting upon the water is nearly 1,700 times that exerted upon the steam. The process of separation is thus rendered both positive and absolute by the simplest application of nature's laws.

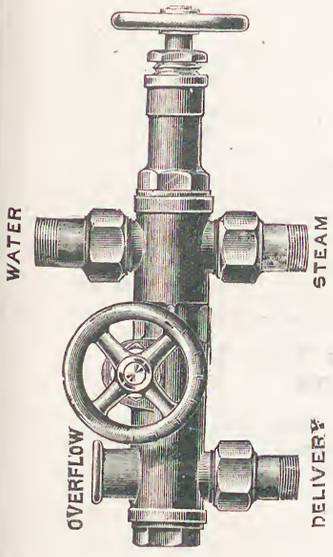
These Exhaust Heads contains no baffle plates to rattle loose, produce no back pressure upon the engine, and ensure perfect separation. There is no spray, no rotting roofs. The case and pipes are of heavy galvanized iron, all internal joints are close-riveted and soldered, and the internal pipes are double braced. Sizes above the 5-inch are flanged. Smaller sizes are tapped.

Size of Exhaust Pipe in ins.	Size of Drain pipe ins	Size of Flange in ins.	Price each.
1 or 1¼	¾	—	£3 3 4
2 or 2½	1	—	3 16 9
3 or 3½	1	—	4 13 3
4 or 4½	1	—	6 6 9
5	1¼	—	7 13 3
6	1¼	11	9 0 0
7	1¼	12½	11 0 0
8	1½	13½	13 6 6
10	2	16	18 13 4

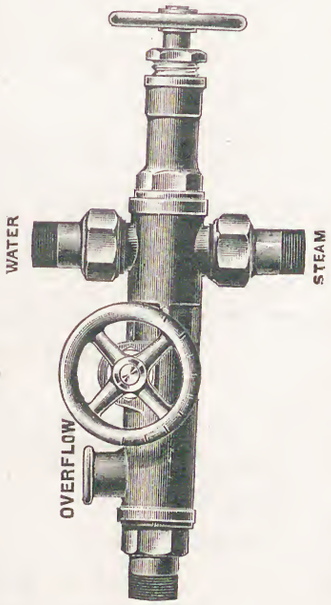
THE "EMPIRE" INJECTORS.

No. 3383.

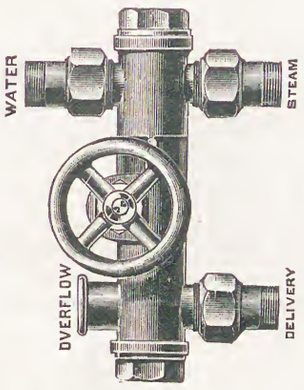
CLASS A (Lifting).



CLASS B (Lifting).

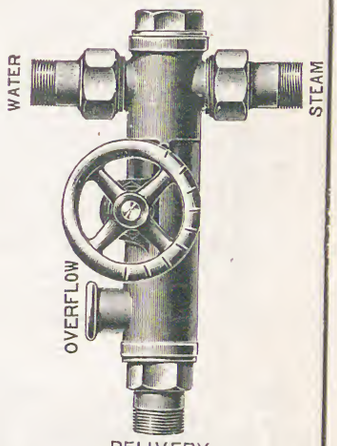


CLASS A (Non-Lifting).



Must be fixed below water supply.

CLASS B (Non-Lifting).



Must be fixed below water supply

These Injectors can be made suitable for all pressures.

They give an adjustable feed to boiler.

The internal parts may be removed without disturbing the pipe joints.

For Stationary Boilers, where pressures vary considerably, these two classes are recommended in preference to all others.

ALL GUN-METAL.

The working steam pressure should be stated with order.

All are carefully tested under steam before despatch.

Size of Injector	2	3	4	5	6	7	8	10	12	
Class A and B (Lifting) ..	£ 3 10 0	£ 4 0 0	£ 4 10 0	£ 5 0 0	£ 5 10 0	£ 7 0 0	£ 9 0 0	£ 12 0 0	£ 15 10 0	each.
„ (Non-Lifting)	3 0 0	3 10 0	4 0 0	4 10 0	5 0 0	6 0 0	8 0 0	10 10 0	13 15 0	„
Sizes of Pipes	½	½	¾	1	1¼	1¼	1½	2	2¼	ins.
Gallons per hour at 70 lb. pressure	65	150	265	415	600	800	1060	1660	2390	

Prices for larger sizes, or injectors to meet special requirements, quoted for on application.

THE "EMPIRE" SIGHT-FEED LUBRICATOR.

Sizes,	⅛	¼	½	1 pint.	1½ pint.	¼	½	¾	1	gallon.
Pattern A	81/3	100/-	112/6	125/-	150/-	225/-	300/-	each.		
„ B and C	93/9	125/-	137/6	150/-	175/-	262/6	337/6	„		
„ D	125/-	150/-	162/6	175/-	212/6	287/6	375/-	„		
„ E	137/6	175/-	225/-	250/-	—	—	—	„		

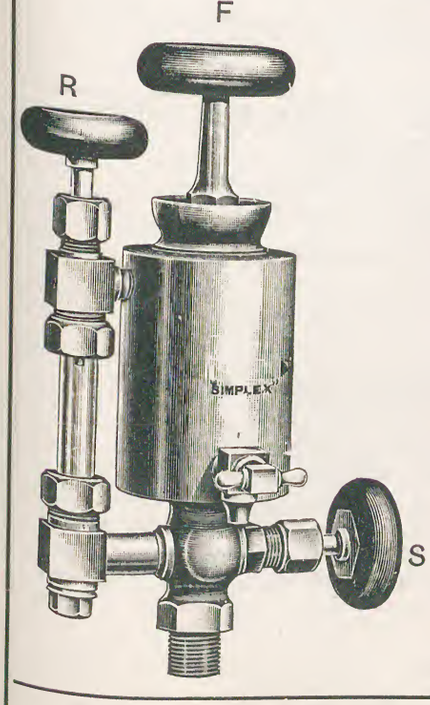
Corrugated Condensers can be fitted to A, B, C and D Lubricators at an extra charge of **18/9** each for Half-Pint to Quarter-Gallon, and **26/3** each for all larger sizes.

Drawings and Full Details of Patterns can be had on application.

THE "SIMPLEX" LUBRICATOR.

THE "EMPIRE" MAKE.

No. 3384.



SPECIALLY DESIGNED FOR

LOCOMOTIVES, PORTABLE AND STATIONARY ENGINES.

Works equally well under HIGH or LOW PRESSURE.

Every Lubricator is tested to 300 lb. per square inch before leaving the Works.

All Valves, Plugs and Seatings are in Hard Metal.

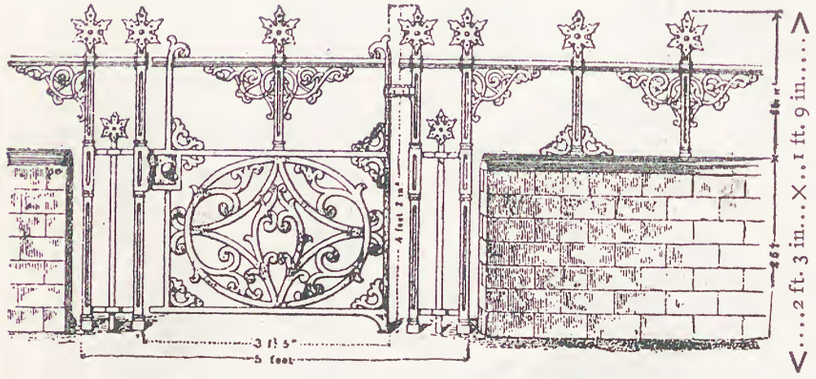
It depends for its action on gravity only and when working the Oil can be seen through the Glass, falling by drops into the Steam-Pipe, whence it is conveyed by the passing steam to every working part of the Cylinder and Slide Valves.

We recommend that it be fixed on the steam-pipe, where the pressure is practically constant. There must be no Copper Tube connections fitted to this type, for it works best when screwed directly into steam-pipe, or, if connections are necessary, they must be short and of a larger diameter than the stand of lubricator.

To fix to vertical steam-pipes, the ⅛ and ¼-pint sizes must be screwed into ¾ in. Iron Gas Bends; the 1-pint and ¼-gallon sizes into 1 in., and the ½-gallon, ¾-gallon and 1-gallon into 1¼ in. Iron Gas Bends. A reducing-coupling must be fitted between Lubricator and Bends. If steam-pipe be horizontal, screw the Lubricator directly into it on boiler side of Engine Stop-Valve if possible. To fill, close S and R open run-off tap T, and empty of any water, unscrew F and fill with Oil, then replace F. To put in operation, open S wide, then open R gradually until the requisite feed is attained.

Size,	⅛	¼	½	1	1½ pint.	¼	½	¾	1	gallon.
Price,	£1 16 0	£2 2 0	£2 14 0	£3 7 6	£4 7 0	£5 5 0	£6 7 6	£9 0 0	£11 5 0	each.
Shank screwed Gas thread.	½	½	½	¾	¾	¾	1	1	1	in.

CAST IRON GATES AND RAILINGS.



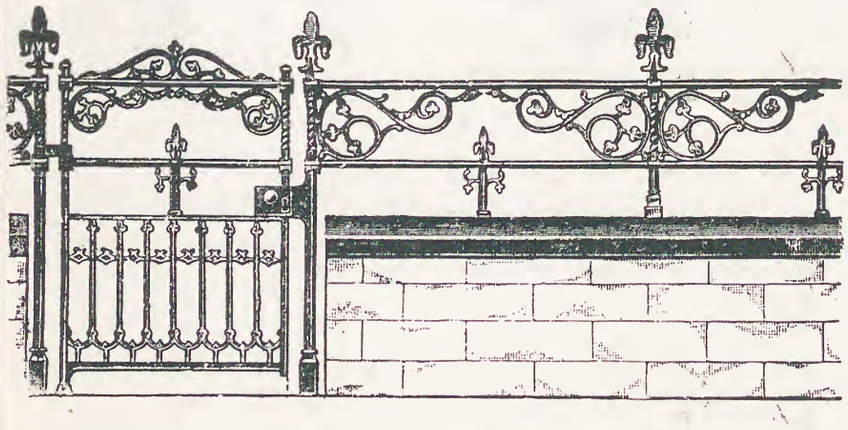
"STAR BUTTERFLY" PATTERN VILLA RAILING.

No. **3385**.

Gate, fitted with Latch, Step, Hanging and Locking Standards and Braces.	**21/9** set.
Double Hanging Pilaster with Clips and Braces	**11/9** ,,
Large Butterfly	**1/9** each.
Small ,, ...	**1/-** ,,
Wrought Iron Rod, square ..	**4½**d. per ft. run.

SPECIAL OFFER.

Gate, Railing Metal, Hanging and Locking Standards, with Lock and Fittings complete ready for erection. 16 ft. frontage ..	**£1 18 0**
If with Coping .. .. Extra	**£0 18 0**



"BUTTERFLY" PATTERN VILLA RAILING.

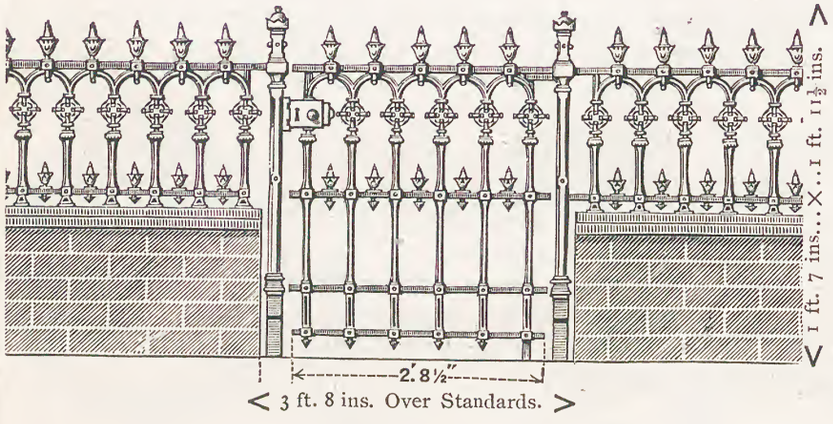
No. **3386**

Gate, fitted with Latch, Step, Hanging and Locking Standards and Braces.	**21/9** set.
Double Hanging Pilaster with Clips and Braces	**12/9** ,,
Large Butterfly	**3/-** each.
Small ,, ...	**6**d. ,,
Wrought Iron Rod, square	**4½**d. per ft. run.

SPECIAL OFFER.

Gate, Railing Metal, Hanging and Locking Standards, with Lock and Fittings complete ready for erection. 16 ft. frontage ..	**£2 0 0**
If with Coping .. .. Extra	**£0 18 0**

Height from step to top of coping 24¼ in. Space required for One Gate and two Standards 3 ft. 4 in., and for two Gates hung to one Pilaster and two Standards to latch 7 ft. 9 in.



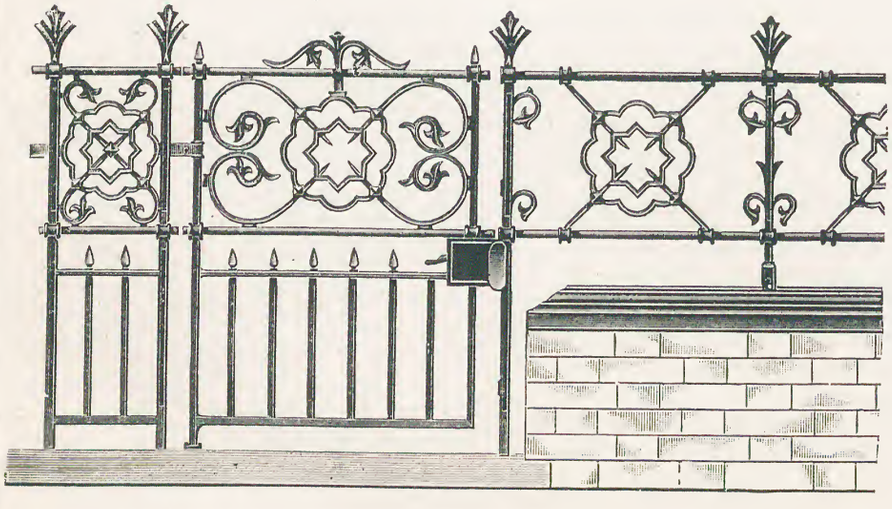
VILLA RAILING.

No. **3387**.

Gate, fitted with Latch, Step, Hanging and Locking Standards and Braces	**29/6** set.
Double Set ditto with Double Hanging Pilaster	**62/-** ,,
Panelling cut to plan	**6/3** yard.
Corner or Intermediate Standards .. Fitted ready for erection.	**3/6** each.

Height of Wall from Step to Top of Coping	1 ft. 7 ins.
Space for Gate and Two Standards ..	3 ,, 3 ,,
Space for Two Gates. Two Standards, and Double Hanging Pilaster	7 ,, 4¼ ,,

Drawing and Prices on application for similar pattern but cheaper.



"RING AND STRING" PATTERN VILLA RAILING.

No. **3388**.

Gate, fitted with Latch, Step, hanging and locking Standards and Braces and Clip and Bolt	**19/9** set.
Double Set ditto with Double Hanging Pilaster	**41/-** ,,
Panelling fitted ready for erection ..	**1/7** per ft. run.
O.G. Coping	**1/9** ,,
Wrought Iron Rod, round	**4d.** ,,

SPECIAL OFFER.

Gate, Railing Metal, Hanging and Locking Standards, with Lock and Fittings complete ready for erection. 16 ft. frontage	**£1 19 0**
If with Coping .. .. . Extra	**£0 18 0**

Height from step to top of coping 1 ft. 7½ in. Space required for one Gate and two Standards 3 ft. 8 in., and for two Gates hung to one Pilaster and two Standards for latching 7 ft. 10 in.

Carriage Gates to match this pattern can be supplied. Prices on application.

CAST IRON GATES AND RAILINGS.

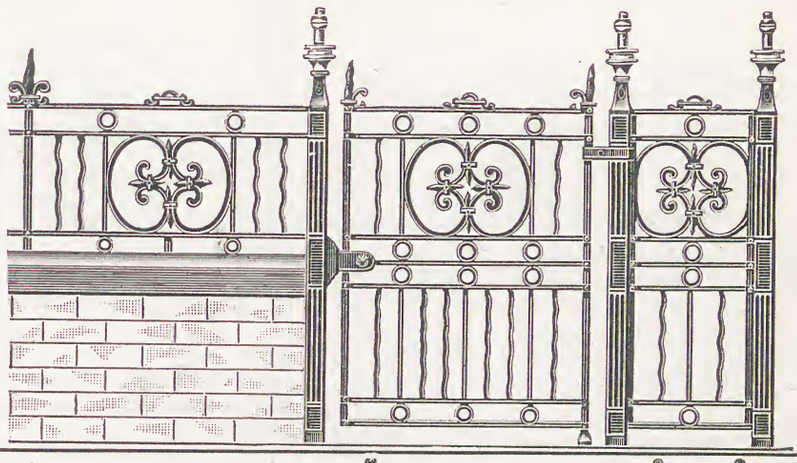
No. 3389.

Gate, with Latch, Step, Hanging and Locking Standards and Braces .. .. .. **32/9** set.
Double Set ditto, with Double Hanging Pilaster **75/-** ,,
Panelling fitted ready for erection .. .. **2/-** ft. run.
Iron O.G. Coping to suit .. .. **1/9** ,, ,,

Height of Wall from step to top of coping, 1 ft. 11 ins.

Space for one Gate and one pair Standards, 3 ft. 4½ ins.

Space for two Gates, Pilaster Panel, and two pairs of Standards, 7 ft. 8½ ins.



No. 3390.

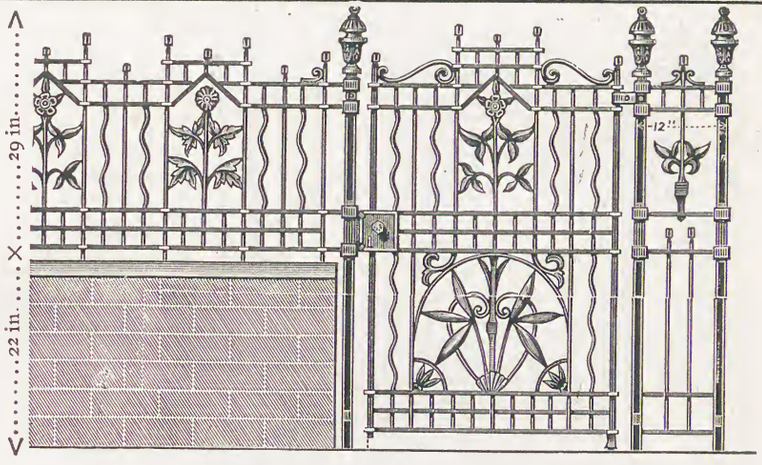
Gate, with Latch, Step and Hanging and Latching Standards and Braces .. .. **32/-** set.
Double Set ditto, with Double Hanging Pilaster **70/-** ,,
Panels .. .. **3/3** ft. run.

Panels cut to plan, **1/-** each cut extra.

Height of Standard, 4 ft. 6 ins.

Space for one Gate with two Standards, 3 ft. 8½ ins.

Space for Double Gates with Hanging Pilaster and Locking Standards, 7 ft. 9 ins.

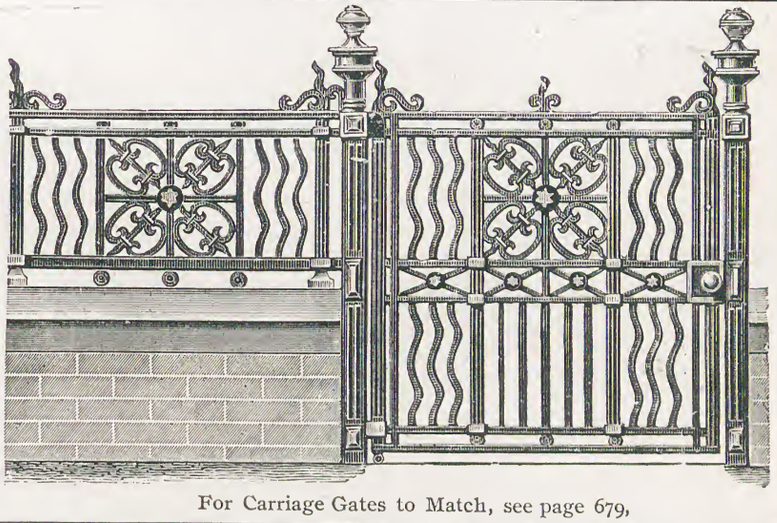


No. 3391.

Gate, with Latch, Step and Hanging and Locking Standards and Braces .. .. **47/-** set.
Double Set ditto, with Double Hanging Pilaster **100/-** ,,
Panelling cut to plan .. .. **3/4** ft. run.
Coping to suit same .. .. **1/3** ,, ,,

Height of Fence from top of coping, 2 ft. 1 in. Coping made 11 in. or 5½ in. to suit 9 in. and 4½ in. walls. Width of Gate, inclusive of Posts, 3 ft. 9½ ins.

A 3 in. narrower Gate can be supplied if required.



For Carriage Gates to Match, see page 679,

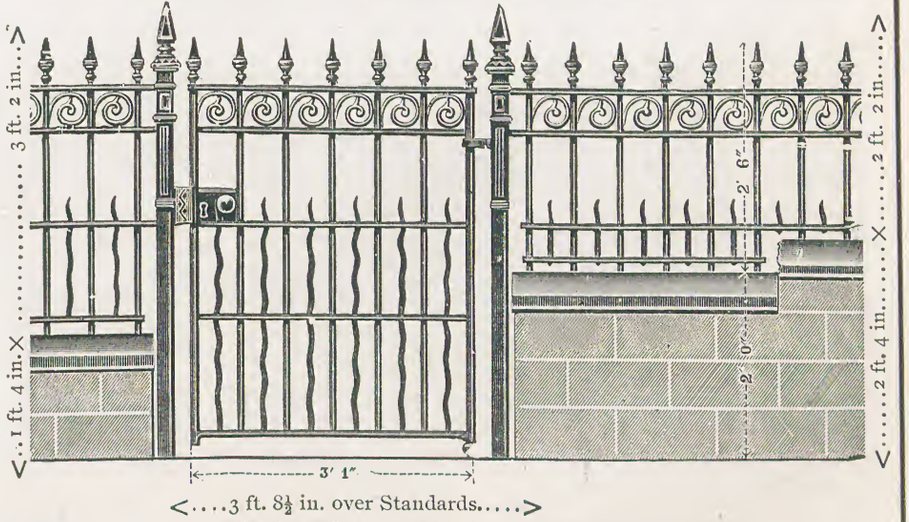
No. 3392.

Gate, with Latch, Step, Hanging and Locking Standard and Braces .. .. **54/-** set.
Double Set ditto with Double Hanging Pilaster **113/6** ,,

	Low.	Medium.	High.	
Panelling cut to plan	**3/3**	**3/9**	**4/6**	ft. run.
Corner or Intermediate Standards	**4/-**	**4/6**	**6/6**	each.

SIZES TO WHICH WALLS MAY BE BUILT.

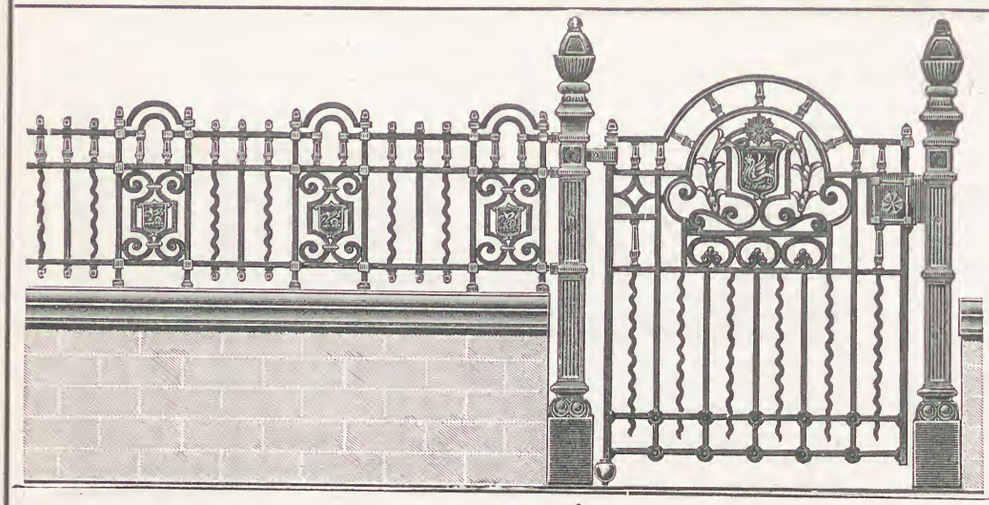
Height of Wall from step to top of coping, for Railing 2 ft. 2 ins. high .. .. .. 2 ft. 4 ins.
Height of Wall from step to top of coping, for Railing 2 ft. 6 ins. high .. .. .. 2 ,, 0 ,,
Height of Wall from step to top of coping, for Railing 3 ft. 2 ins. high .. .. .. 1 ,, 4 ,,
Space for Gate and two Standards .. .. 3 ,, 8½ ,,
Space for two Gates, two Standards, and Double Hanging Pilaster .. .. 8 ,, 3½ ,,



<....3 ft. 8½ in. over Standards.....>

For Carriage Gates to Match, see page 679.

CAST IRON GATES & RAILINGS.



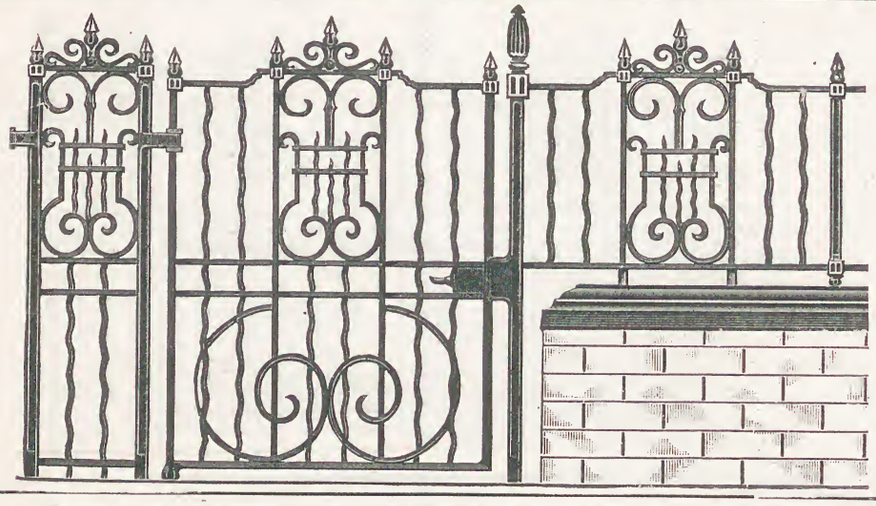
No. 3393. Extra Strong and Heavy.

Gate with Latch and Furniture, Step, Hanging and Locking Standards and Braces	**51/6** per set.
Double set ditto, with Double Hanging Pilaster	**105/-** ,,
Panelling cut and fitted to plan ..	**4/-** ft. run
Pilaster Panel	**6/6** each.
Coping for 9 in. Wall	**1/6** ft. run.

Space for Gate and pair of Posts 3 ft. 11 ins.

Height of fencing from top of coping 21½ ins.

Coping 11 ins. wide to suit 9 in. wall.



No. 3394. New Design Villa Railing.

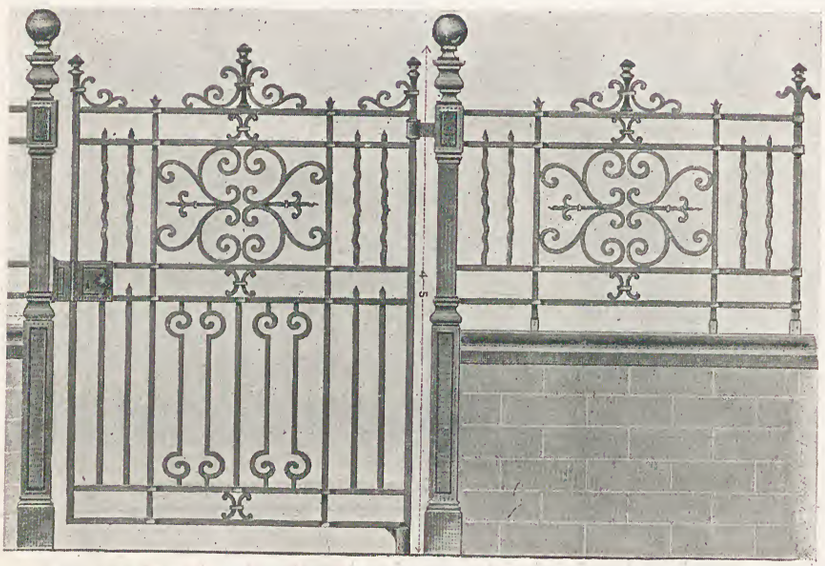
Single set of Gate Metal, comprising Gate and Step with Wrought Latch, Latching Pillar, Hanging Pillar fitted Clip and Bolt and two Backstays, ready for erection	**28/6** per set
Double set of Gate Metal, comprising two Gates, two Latching Pillars, Double Hanging Pilaster, and four Backstays	**56/6** per set.
Panelling fitted ready for erection ..	**2/-** per ft. run.
Iron O.G. Coping to suit 9 in. Walls ..	**1/6** ,,

SPECIAL OFFER.

Gate, Railing Metal, Hanging and Locking Standards, with Lock and fittings complete ready for erection. 16 ft. frontage .. .. **£2 12 6.**
If with Coping .. .. Extra **£1 0 0.**

Height of wall from step to top of Coping 1 ft. 10½ in. Space for Gate and pair of Standards, 3 ft. 8 ins. Space for two Gates Pilaster and pair of Latching Standards, 8 ft. 2 ins.

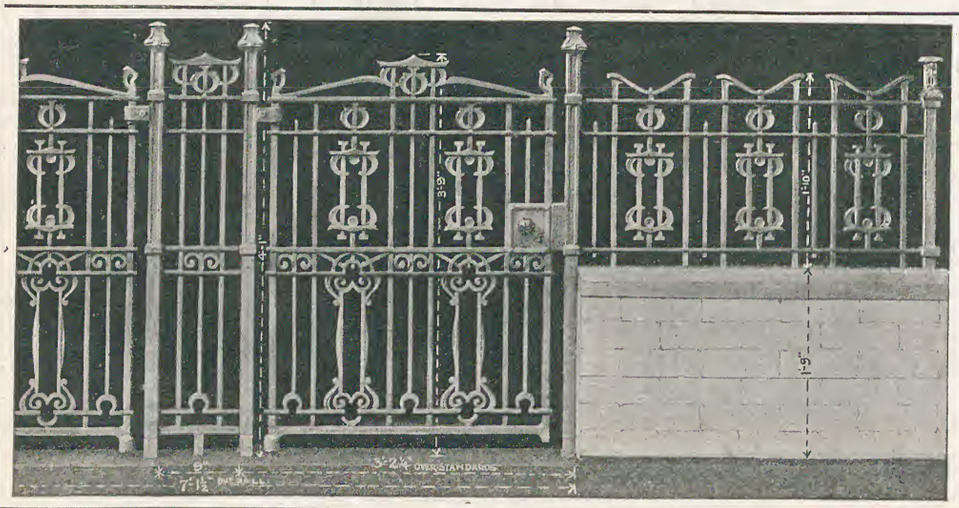
Carriage Gates to match this pattern can be supplied, prices on application.



No. 3395

Gate, with Lock and Octagon Knobs, Step, Hanging and Locking Standards and Braces	**75/-** per set
Double set ditto, with double Hanging Pilaster	**140/-** ,,
Panelling to match	**10/9** per yd.
O.G. Coping to suit 9 in. Wall	**5/3** ,,
Ditto ,, 4½ in. ,, ...	**3/9.** ,,
Pilaster Panel with 1 ft. Coping with Stop Ends	**10/-** each.

Gate 3 ft. wide × 4 ft. 5 ins. high.
Panelling 2 ft. 3 ins. high × 3 ft. wide.
2 ft. 2 ins. to top of Coping from ground.
Space for Gate and pair of Standards 4 ft.
Width overall for Double Set Gates is 8 ft. 4 ins.



No. 3396. New Registered Design.

Gate with Latch and Furniture, Step, Hanging and Locking Standards and Braces	**33/9** per set
Double set of Gate Metal, comprising two Gates and Latches, latching Pillars, double Hanging Pilaster and Gate Steps	**72/6** ,,
Panelling cut and fitted to plan ..	**6/3** per yd.

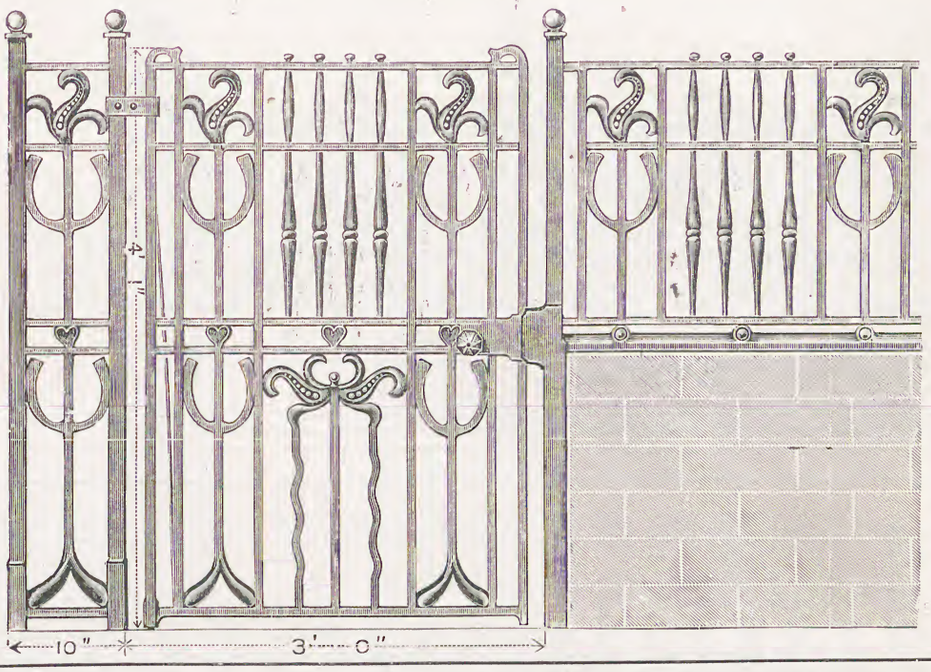
Gate 3 ft. 9 ins. high × 2 ft. 8¼ ins. wide.

Hanging and Locking Standards 4 ft. 1 in. high.

Pilaster Panel 3 ft. 9 ins. high × 9 ins. wide.

Panelling 1 ft. 10 ins. high × 3 ft. 2 ins. wide.

CAST-IRON GATES AND RAILINGS.



No. 3397

New Registered Design.

Gate, with Latch and Clips and Step, and Hanging and Locking Standards and Braces. **32**/- per set.

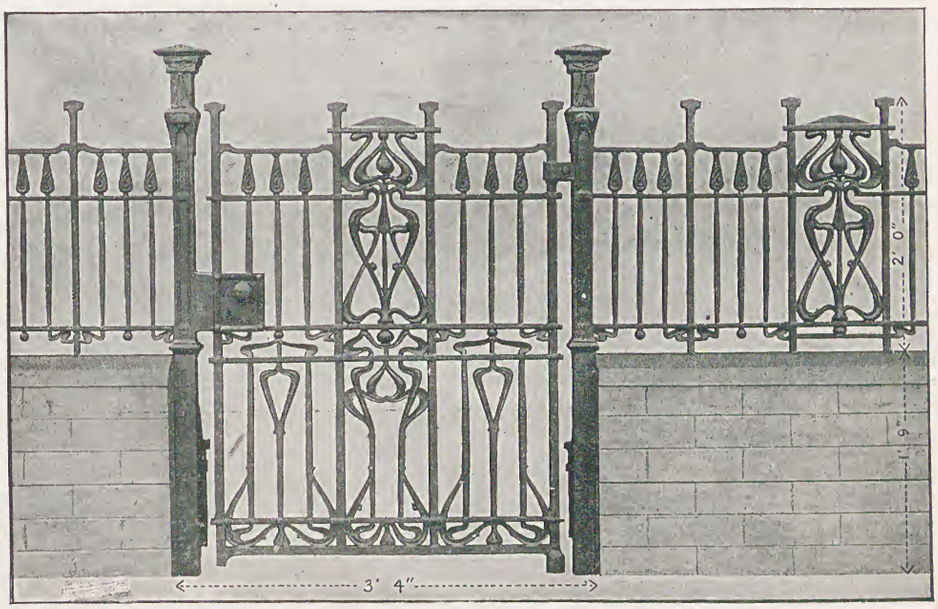
Double Set ditto, with Double Hanging Pilaster, **75**/- per set.

Pilasters (Double Hanging) **14**/- each.

Panelling **8**/- per yard.

Coping to suit **4/9** per yard run.

Space for Gate inside Standards, 3ft.
Height from Step to top of Gate, 4ft.
Height to Coping, 2ft. Panelling, 2ft. high.
Pilaster, 10ins. wide.



No. 3398.

New Artistic Design (Registered).

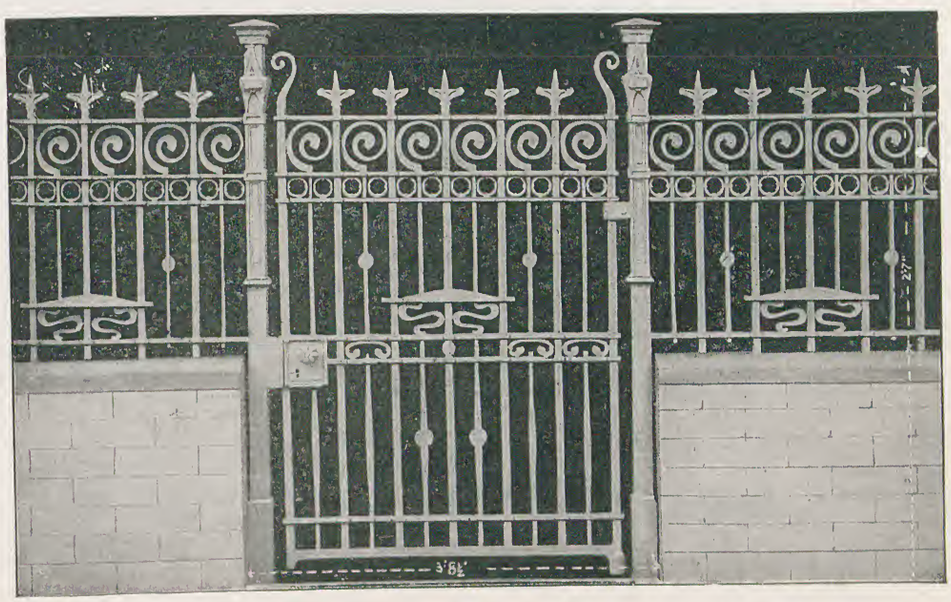
Gate, fitted with Latch, Step, Hanging and Locking Standards and Braces, **38**/- per set.

Double Set ditto, with Double Hanging Pilaster, **80**/- per set.

Panelling, cut and fitted to plan, **6/9** per yard.

Gate 3ft. 9ins. high × 2ft. 9½ins. wide. Standards 4ft. 2½ins. high.
Panels 2ft. high X 3ft. 2½ins. wide.
Pilaster Panel 3ft. 9ins. high × 11ins. wide.

Carriage Gates to match this pattern can be supplied. Prices on application.



No. 3399.

High-class Modern Design (Registered)

Gate, with Latch, Step, Hanging and Locking Standards and Braces, **52**/- per set.

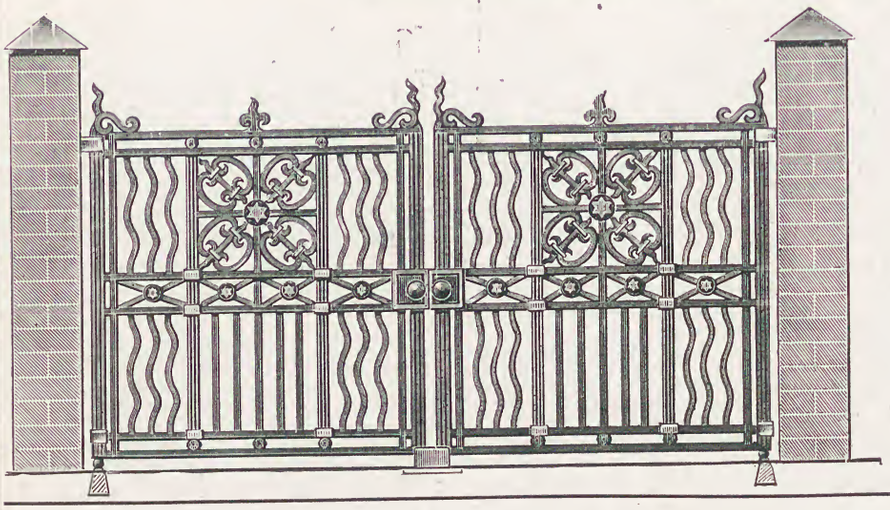
Double Set ditto, with Double Hanging Pilaster, **110**/- per set.

Panelling cut to plan, **11**/- per yard.

Gate 4ft. 7ins. high in centre × 3ft. 0¾in. wide.
Standards 5ft. 1in. high. Pilaster 4ft. 7in. high × 11ins. wide.
Panels 2ft. 7ins. high × 2ft. 11¾ins. wide.

Carriage Gates to match can be supplied.
Prices on application.

CARRIAGE ENTRANCE GATES.



No. 3400.

CAST IRON DOUBLE LEAF GATES.

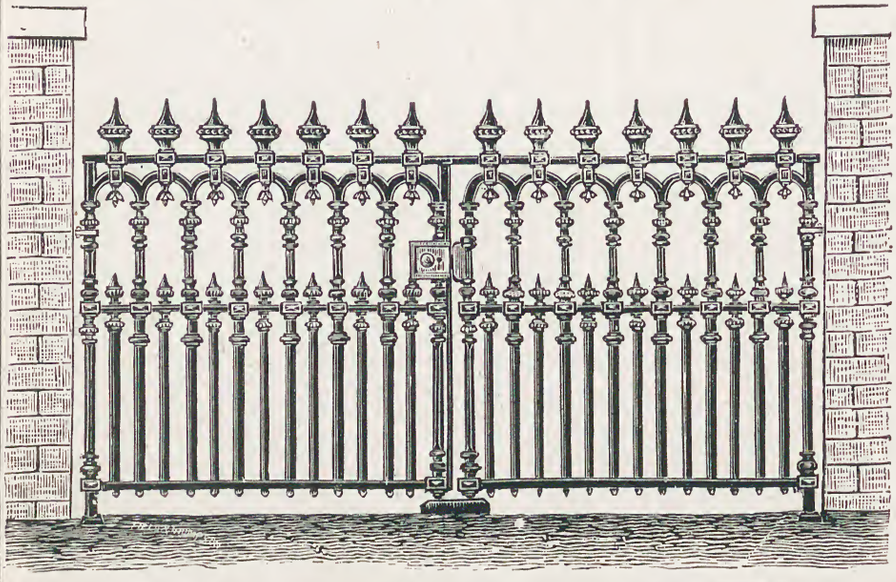
With Drop Bolt, Gate Stop and Fall Door, one Gate fitted with Latch.

Hangings for Brick Piers, 6 ft. 4 ins. between hangings.

60/- per pair.

If with Cast Iron Hanging Standards,

20/- per pair extra.



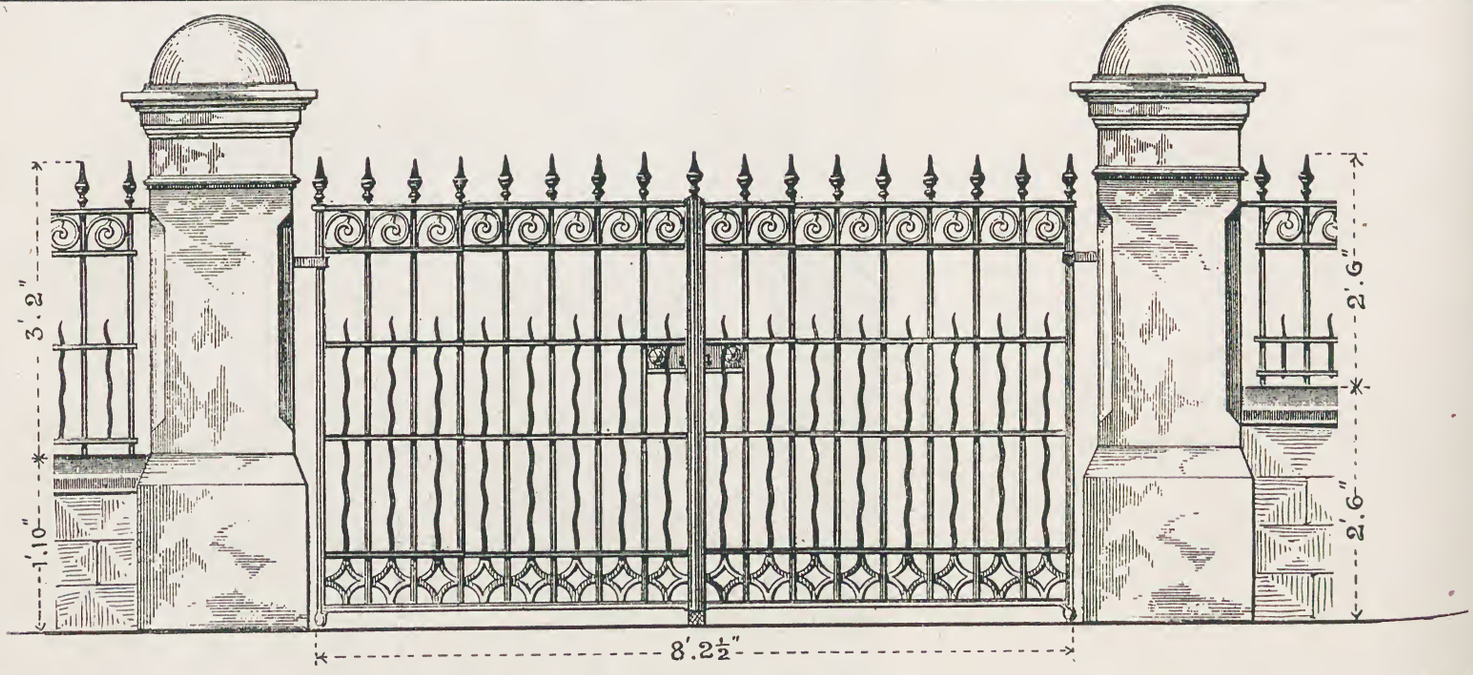
No. 3402.

CAST IRON HEAVY ENTRANCE GATES.

8 ft. wide × 4 ft. 5 ins. high.

Fitted with Drawbolt, Lock and Sham, Gate Stop and Hanging Clips for Piers.

Price, £6 14 3 per set.



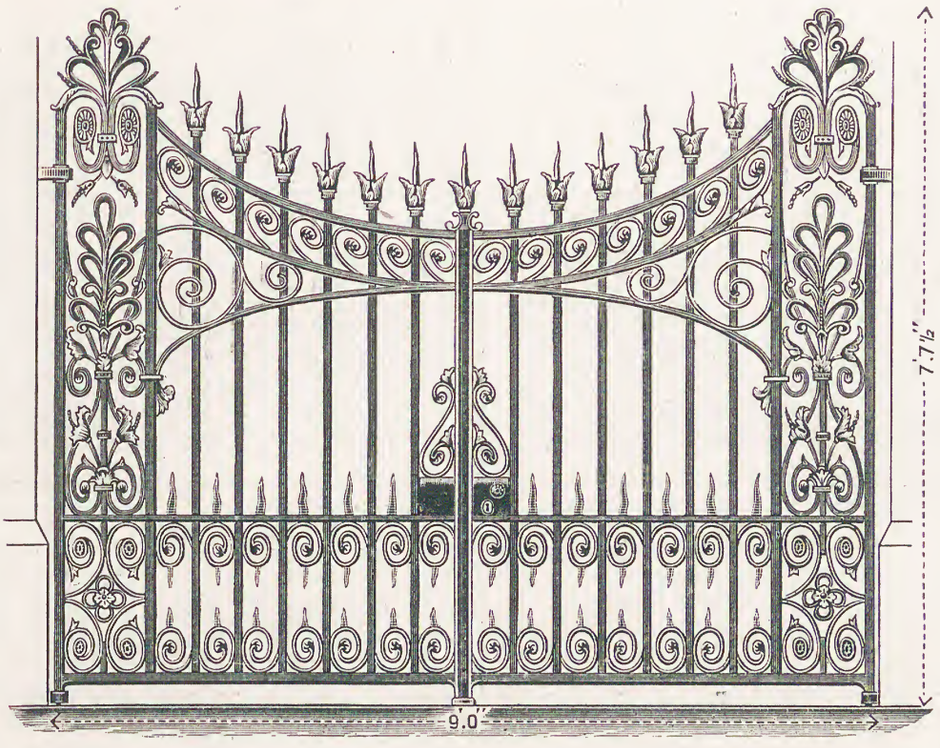
No. 3403.

	£	s.	d.
Gate Metal, consisting of Pair of Gates with Locks, Pair of Gate Steps, Gate Stopper, Fitted complete, ready for re-erection	7	4	6
Gate Metal as illustrated, but with Cast Iron Pillars, fitted	10	4	6
Quadrant Rails of 2½ × 2½ in. Wrought Iron, and including extra for Rollers on Gates, and Gate Catches	1	10	0

No. 3404. Panelling.. .. .. per yard, Medium, **11/6** .. High, **13/6**.

NOTE.—Above Gates can be increased by "one-foot" additions at proportionate extras.

CARRIAGE ENTRANCE GATES.



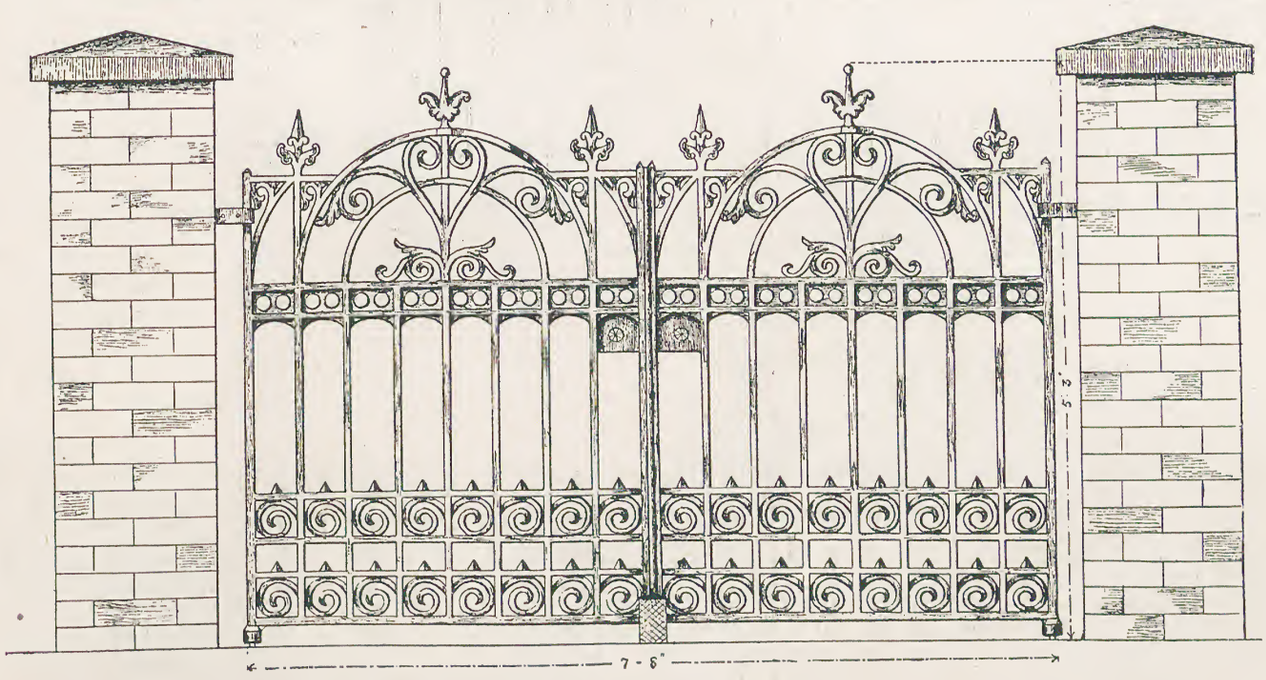
No. **3405.**

CAST IRON GATES.

9 ft. wide × 7 ft. 7½ ins. high.

Fitted with good Lock and Sham, Wrought Iron Hangers and Pivots, Striking Plate and Slip Bolt, complete, ready for erection.

Price £22 0 0 per pair.



No. **3406.**

CAST IRON DOUBLE LEAF GATES.

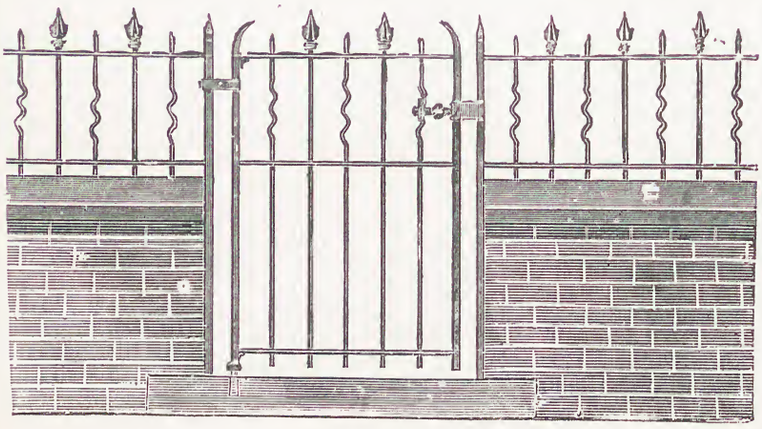
7 ft. 8 ins. wide for 8 ft. Opening × 5 ft. 3 ins. high.

Fitted complete as drawn, ready for erection, with Hangings for Brick Piers.

Price £7 0 0 per set.

WROUGHT IRON ORNAMENTAL GATES AND RAILING.

GATES MADE TO SUIT 3 FOOT OPENINGS.



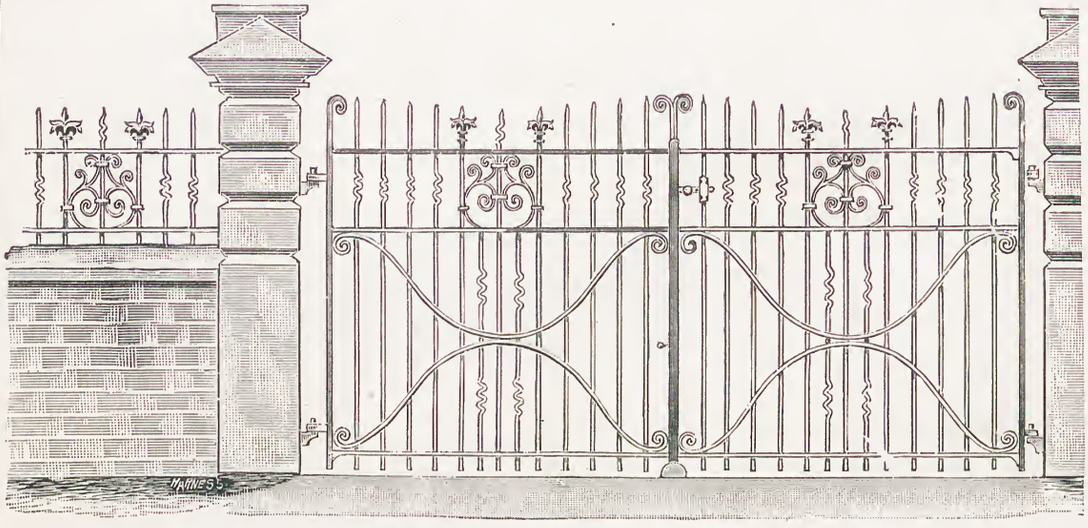
No. 3407.

Rails 1¼ in. × $\frac{5}{16}$ in., Round Bars with Stamped Heads.
Waved Bars, $\frac{7}{16}$ in. Round, 20 in. High. Railing **7/6** per yard.
Gate to match with Latch and Standards, **32/9** complete.
All painted one coat of paint.



No. 3409.

Rails 1¼ in. × $\frac{5}{16}$ in., Bars ½ in. Square, with Stamped Heads.
Waved Bars $\frac{7}{16}$ in. Square, Scroll ½ × ¼ in., 20 ins. High.
Railing, **9**/- per yard.
Gate to match with Latch and Standards, **37/6** complete.
All painted one coat of paint.



No. 3411.

Carriage Gates for Openings up to and including 10 ft. .. £**7 10 0** per pair.
Rails 1¼ × $\frac{5}{16}$ in., Verticals ½ in. Square, Braces 1¼ in. × ¼ in., Backs 1¼ in. × ½ in.
Hangings for Brick Piers, Drop Bolt, Latch and Cast Iron Gate Stop.

No. 3412. Railing to match, sizes as above, 20 ins. High, **13/3** per yard.

No. 3413. Hand Gates to match, sizes as above for 3 ft. Openings, **62/6** each.
All painted one coat of paint.

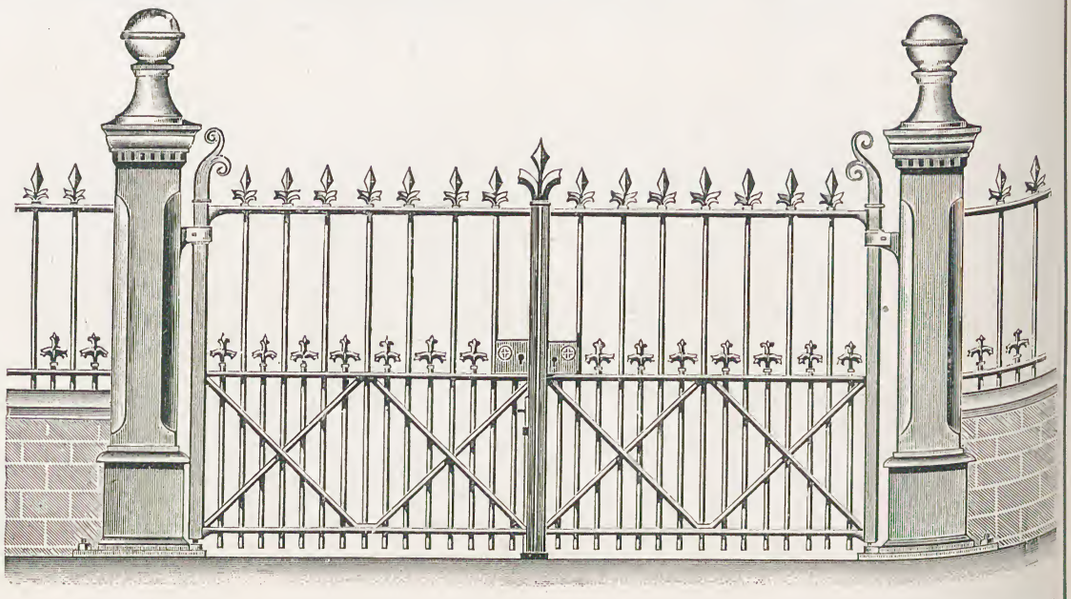
Wrought Iron Entrance Gates, Long Uprights ¾ in. diameter, placed 6 ins. apart centres, Short Uprights are ⅝ in. diameter, All with Wrought Iron Heads.

No. 3414. Gates only, 10 ft. wide × 4 ft. 9 ins. High, with Hangings for Wood or Stone, £**15 6 9** per pair complete.

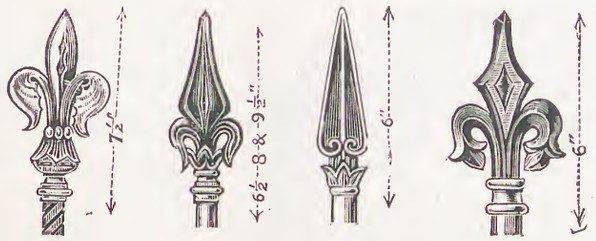
No. 3415. Do. do. with Handsome pair of Cast Iron Pillars to fix on Stone, £**25 6 9** per pair complete.

No. 3416. Railing to match, 2 ft. 9 ins. High, with Standard and Stay every 8 ft., **26/9** per yard.

No. 3417. Gate Stop .. **7/6** each extra.



CAST IRON RAILING BARS.



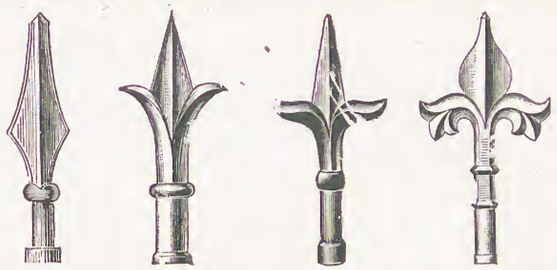
No. **3418**. No. **3419**. No. **3420**. No. **3421**.

Either pattern with ¾ in. and ⅞ in. shank,
37 ins. long and over,
16/- cwt.

Plain or Twisted Bar as required.

Approximate weight, ¾ in., 4 ft. 80 lb.; ⅞ in., 4 ft. 100 lb. per doz.

STAMPED WROUGHT RAILING HEADS.



No. **3422**. No. **3424**. No. **3426**. No. **3428**.

		Sizes, ½	⅝	¾	⅞	1 in. diam.	
No. **3422**.	Round,	**17/6**	**23/9**	**41/-**	—	—	per 100.
,, **3423**.	Square,	**24/-**	**34/-**	**61/3**	—	**105/3**	,,
,, **3424**.	Round,	**16/6**	**25/-**	**38/3**	**59/-**	**98/6**	,,
,, **3425**.	Square,	**25/6**	**32/3**	**61/3**	**85/-**	—	,,
,, **3426**.	Round,	**25/-**	**32/3**	**47/6**	—	—	,,
,, **3427**.	Square,	**28/9**	**43/3**	**64/6**	—	—	,,
,, **3428**.	Round,	**21/9**	**31/3**	**47/-**	**72/6**	—	,,
,, **3429**.	Square,	**28/9**	**43/3**	**64/6**	—	—	,,

CAST TOP RAIL.



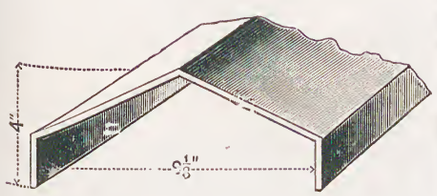
No. **3430**. 2¼×⅝ in. painted.
10d. per foot run.

WROUGHT TOP RAILS FOR CAST OR WROUGHT IRON BARS.

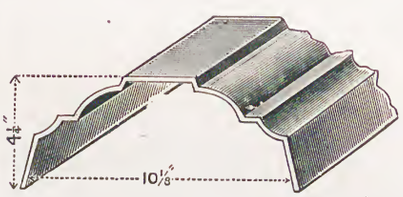
No. **3431**.

Size of Rail	1¼×¼	1⅜×$\frac{7}{16}$	1½×$\frac{7}{16}$	1½×⅜	1¾×⅜	2×⅜	2¼×⅜	2½×⅜ in.
Punched for	$\frac{7}{16}$	$\frac{7}{16}$ or ½	½ or ⅝	⅝ or ¾	¾ or ⅞	⅞	⅞ or 1	1 in. bars.
Prices	**10d.**	**1/-**	**1/1**	**1/3**	**1/5**	**1/7**	**1/9**	**1/11** per yard.

CAST IRON COPING.



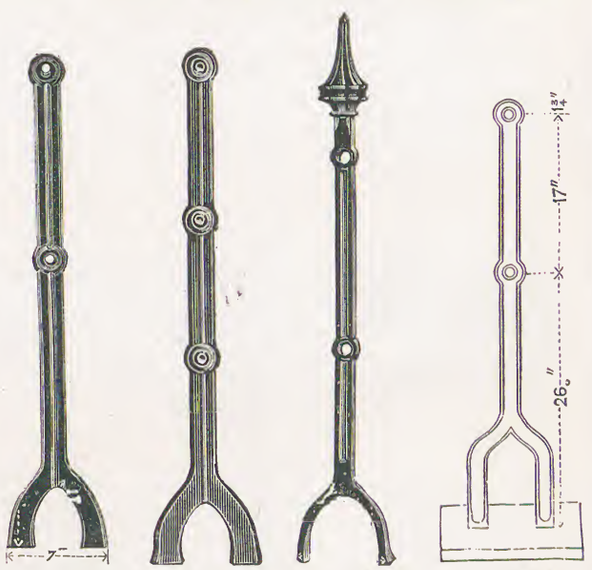
No. **3432**. V Coping.
9 ins., **1/6** per foot.



No. **3433**. O.G. Coping, Flat Top.
9 ins. **1/6** per foot.

			V	O.G		
No. **3434**.	Stop Ends Cast In				**1/3**	each extra.
,, **3435**.	Return Stop Ends Cast In				**1/6**	,, ,,
,, **3436**.	Square Angles, Stock Lengths		**5/3**	**6/-**	,,	,,
,, **3437**.	T Pieces, Stock Lengths		**5/3**	**6/-**	,,	,,

CAST IRON DIVISION STANDARDS.

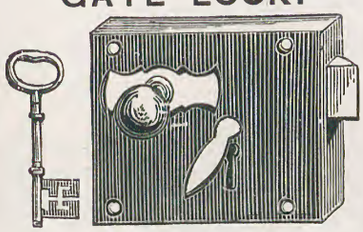


No. **3438**. No. **3439**. No. **3440**. No. **3441**.

Take Tubes:—

		¾ in. diam.	¾ in. diam.	¾ in. diam.	⅞ in. diam.
No. **3438**.	Two Hole, 36 ins. high			..	**1/6** each.
,, **3439**.	Three ,, 35 ,,			..	**2/-** ,,
,, **3440**	Two ,, 39 ,,	ornamental			**2/9** ,,
,, **3441**.	Two ,, 45 ,,	Base Plate			**3/3** ,,

GATE LOCK.



No. **3442**. Self Colour Wrought Case Dead Lock, **1/9** each.

No. **3443**. Drawback, one Bolt to Lock, as drawn, **2**/- each.

Brass Bolts, **4**/- per dozen extra.
Stock sizes, 4×4, 4×4½, 5×4, 5×4½ ins.

OCTAGON LOCK FURNITURE.

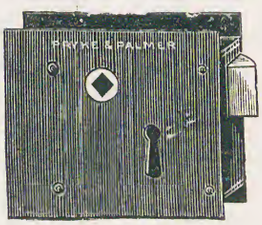


No. **3446**.

Berlin Black, Malleable Iron.

	Rim.	Mortice.	
2 in. ..	**2/6**	**3**/-	per set.
2¼ ,, ..	**3**/-	**3/6**	,,
2½ ,, ..	**3/3**	**3/9**	,,

GATE LOCK.



¾ or ⅞ in.

No. **3445**. Japanned with Follower, Strong Solid Ward, as drawn, **4**/-
Brass Bolts, **4**/- per dozen extra.

No. **3444**. Flanged Drawback, 1 Bolt. **2**/- each.

Stock sizes, 4×4, 4×4½, 5×4, 5×4½ ins.

CONSTRUCTIONAL IRONWORK FOR VERANDAHS, BALCONIES, &c.

No. **3447.**

Prices.

Pilasters, 9ft. 3 ins. high **19/3** each.

Brackets, 24×24 ins. **5/6** ,,

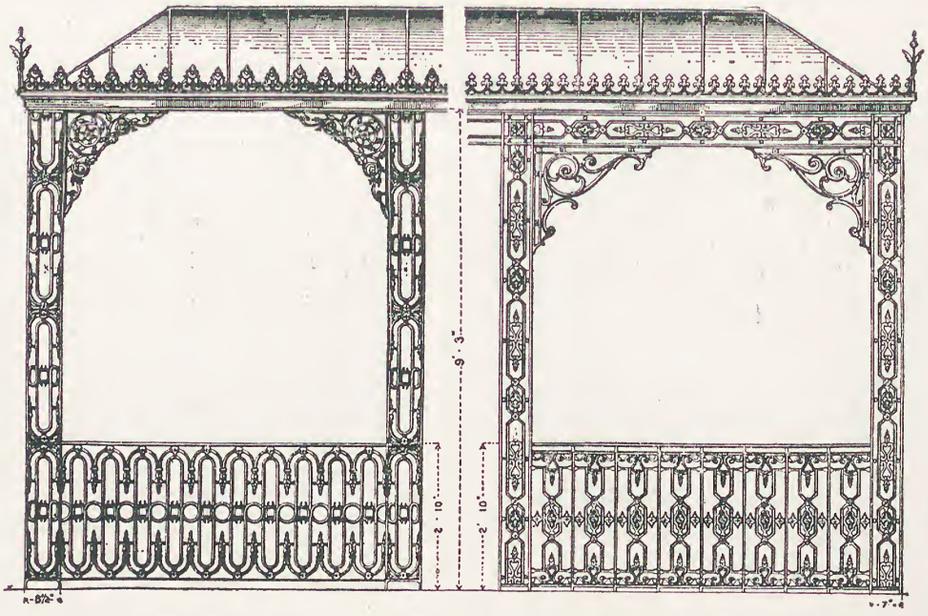
Railing, 2 ft. 10 ins. high **12/3** yard.

Cresting, 6⅜ in. high **3/9** ,,

Four-way Finials .. **4/9** each.

Beam Gutter .. **8**/- yard.

Top Rail .. .. **1**/- foot.



No. **3448.**

Prices.

Pilasters, 9 ft. 3 ins. high **14**/- each.

Brackets, 24×24 ins. **5/6** ,,

Railing, 2 ft. 10 ins. high **12/9** yard.

Cresting, 5½ ins. high **2 6** ,,

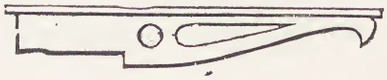
Four-way Finial .. **4/9** each.

Beam Gutter .. **8**/- yard.

Top Rail .. .. **1**/- foot.



No. **3449.** CANTALEVER,
Projects 42 ins.
Builds in Wall, 9 ins. Depth overall, 17 ins.
Price 27/6 each.



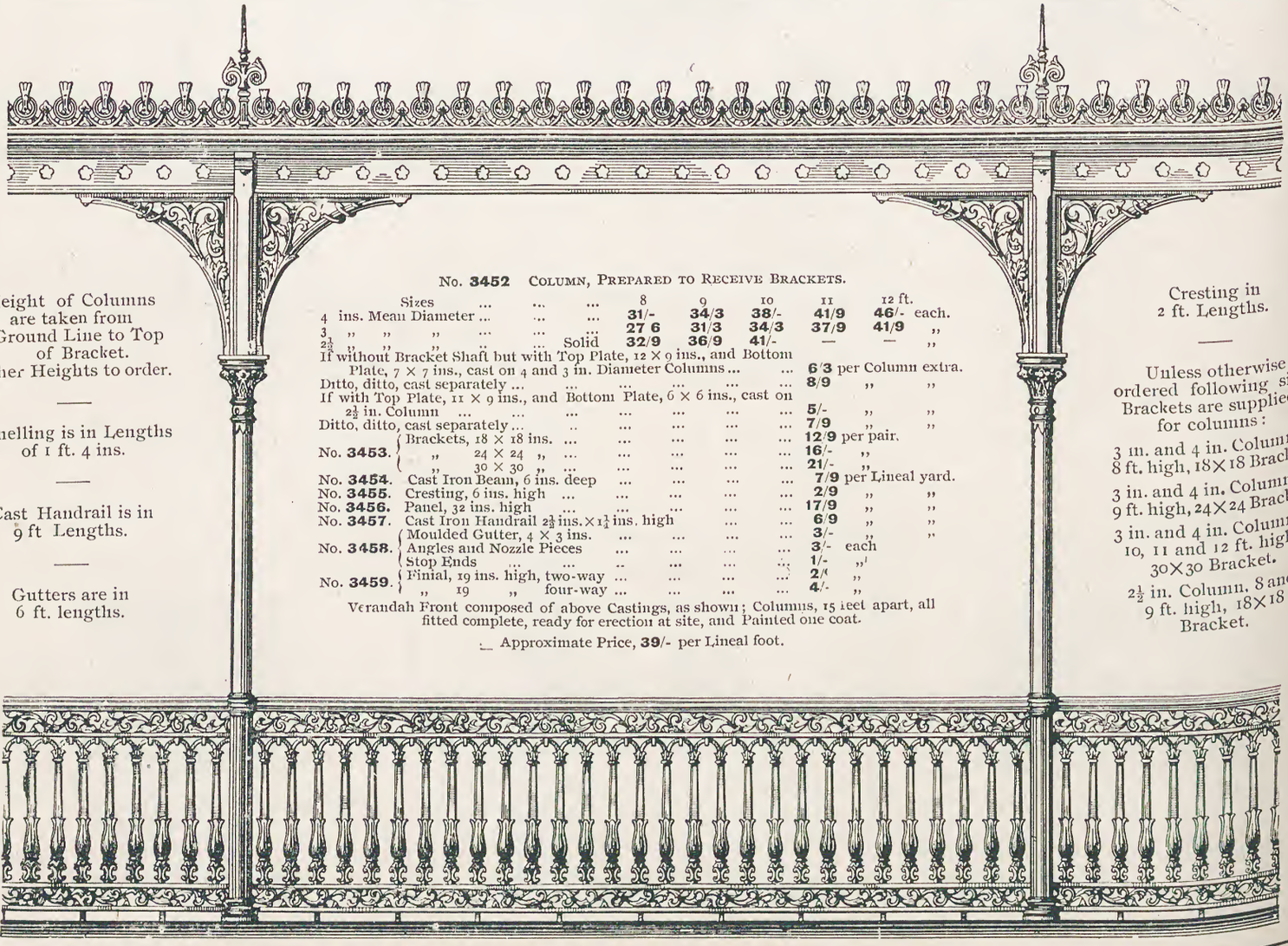
No. **3450.** CANTALEVER.

Sizes—

Proj.	8	10	12	14	16	18	22	24	30 ins.
Price	**1/4**	**3/3**	**3/6**	**3/9**	**4/9**	**5/6**	**6/9**	**11/6**	**14/9** each.



No. **3451.** CANTALEVER,
Projects 25 ins.
Depth overall, 13½ ins. Builds in Wall, 9 ins.
Price 12/9 each.



Height of Columns are taken from Ground Line to Top of Bracket. Other Heights to order.

Panelling is in Lengths of 1 ft. 4 ins.

Cast Handrail is in 9 ft Lengths.

Gutters are in 6 ft. lengths.

No. **3452** COLUMN, PREPARED TO RECEIVE BRACKETS.

Sizes	8	9	10	11	12 ft.	
4 ins. Mean Diameter	**31/-**	**34/3**	**38/-**	**41/9**	**46/-**	each.
3 ,, ,, ,, ...	**27 6**	**31/3**	**34/3**	**37/9**	**41/9**	,,
2½ ,, ,, ,, ... Solid	**32/9**	**36/9**	**41/-**	—	—	,,

If without Bracket Shaft but with Top Plate, 12 × 9 ins., and Bottom Plate, 7 × 7 ins., cast on 4 and 3 in. Diameter Columns ... ... **6/3** per Column extra.
Ditto, ditto, cast separately ... ... **8/9** ,, ,,
If with Top Plate, 11 × 9 ins., and Bottom Plate, 6 × 6 ins., cast on 2½ in. Column ... ... **5/-** ,, ,,
Ditto, ditto, cast separately ... . **7/9** ,, ,,

No. **3453.** Brackets, 18 × 18 ins. ... ... **12/9** per pair.
,, 24 × 24 ,, ... **16/-** ,,
,, 30 × 30 ,, ... **21/-** ,,

No. **3454.** Cast Iron Beam, 6 ins. deep ... ... **7/9** per Lineal yard.
No. **3455.** Cresting, 6 ins. high ... ... **2/9** ,, ,,
No. **3456.** Panel, 32 ins. high ... ... **17/9** ,, ,,
No. **3457.** Cast Iron Handrail 2⅜ ins. × 1½ ins. high ... ... **6/9** ,, ,,

No. **3458.** Moulded Gutter, 4 × 3 ins. ... ... **3/-** ,, ,,
Angles and Nozzle Pieces ... ... **3/-** each
Stop Ends ... ... **1/-** ,,

No. **3459.** Finial, 19 ins. high, two-way ... ... **2/** ,,
,, 19 ,, four-way ... ... **4/-** ,,

Verandah Front composed of above Castings, as shown; Columns, 15 feet apart, all fitted complete, ready for erection at site, and Painted one coat.

Approximate Price, **39**/- per Lineal foot.

Cresting in 2 ft. Lengths.

Unless otherwise ordered following size Brackets are supplied for columns:

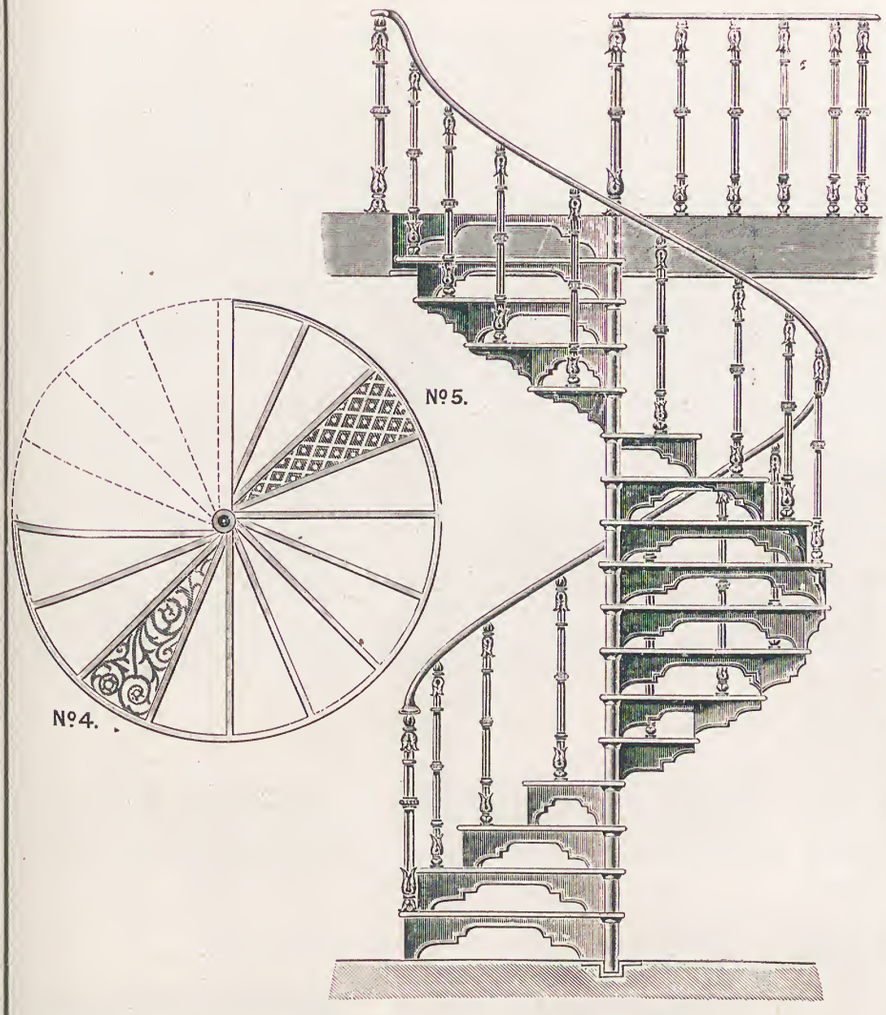
3 in. and 4 in. Columns, 8 ft. high, 18×18 Bracket

3 in. and 4 in. Columns, 9 ft. high, 24×24 Bracket.

3 in. and 4 in. Columns, 10, 11 and 12 ft. high, 30×30 Bracket.

2½ in. Column, 8 and 9 ft. high, 18×18 Bracket.

CAST IRON STAIRCASES, STRAIGHT AND SPIRAL.

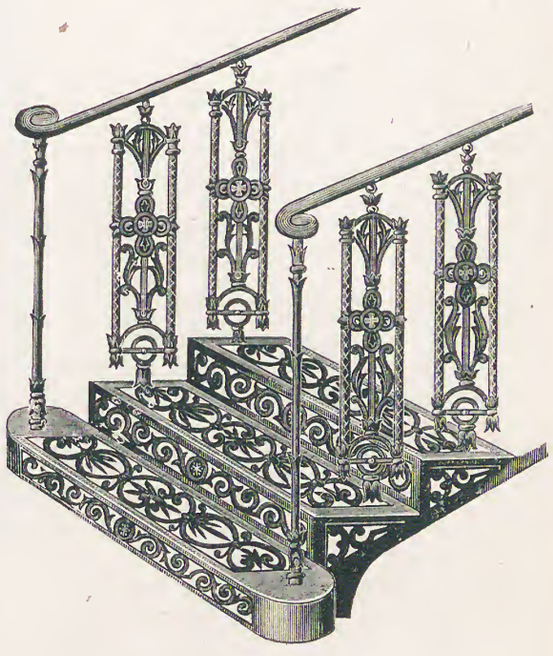


Nos. 4 and **5** Treads. **No. 3460.**

SPIRAL STAIRS.

Right and Left-hand Wheel.

Sizes. Radius—Centre to Centre.	Riser.		
1 ft. 9 ins.			
2 ,, 0 ,,			
2 ,, 3 ,,	$7\frac{3}{4}$	8	$8\frac{1}{4}$ inches.
2 ,, 6 ,,			
2 ,, 9 ,,			
3 ,, 0 ,,			



No. 3461. Straight.

Step 2ft... 2 ft. 3 ins. 2 ft. 6 ins. 2 ft. 9 ins.

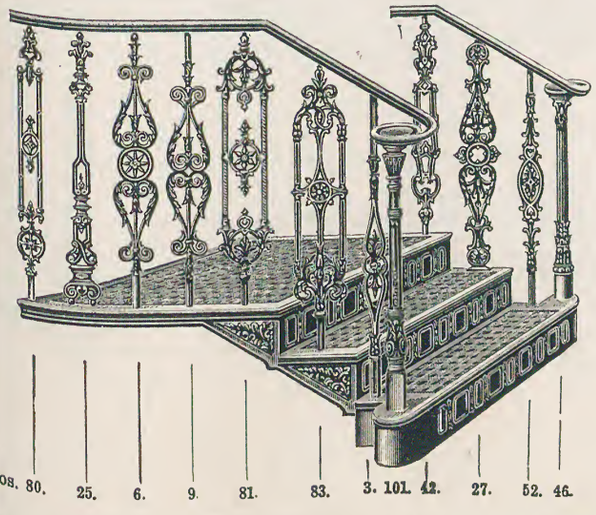
3ft... 3 ft. 6 ins. and 4 ft.

× 10 inch

Risers $5\frac{1}{2}$ to 8 inches.

ESTIMATES SUBMITTED ON RECEIPT OF FULL PARTICULARS OF REQUIREMENTS.

CAST IRON BALUSTERS AND NEWEL POSTS.



Lengths	30	31	32½	33	35½	36	37	38	39 ins.
Baluster No. **80.**	—	**2/3**	—	—	—	—	—	—	— each.
Do. **25.**	**1/9**	—	—	**2/-**	—	—	**2/3**	—	— ,,
Do. **6.**	—	—	—	—	**2/3**	—	—	—	— ,,
Do. **9.**	—	—	—	—	—	**1/6**	—	—	— ,,
Do. **81.**	—	—	—	—	—	—	—	**3/3**	— ,,
Do. **83.**	—	—	—	—	—	—	**3/3**	—	— ,,
Do. **3.**	—	—	—	**1/6**	—	—	—	—	**1/9** ,,
Newel Post No. **101.**	—	—	—	—	—	**10 9**	—	—	— ,,
Baluster No. **42.**	—	—	—	—	—	**3/3**	—	—	— ,,
Do. **27.**	—	—	**3/-**	—	—	**3/3**	—	—	— ,,
Do. **52.**	—	—	—	**2/-**	—	**2/3**	—	—	**2/6** ,,
Newel Post No. **46.**	**7/9**	—	—	**8/6**	—	**8/9**	—	—	— ,,,

No. 3482



EXAMPLES OF FIRE ESCAPE STAIR.

The Example is given to show the construction, but as these vary so much in widths, heights &c, we can only give Prices and Drawings on receipt of ground plan and Elevation of Building. In buildings where it is not convenient to have Brackets owing to Windows, &c., the Stairs are supported with Cast Columns.

PATTERNS OF RISERS AND TREADS

That can be supplied with above.



No. 3474. Riser.



No. 3475. Riser.



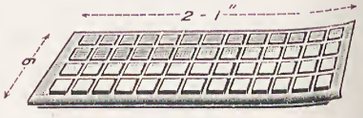
No. 3476. Riser.



No. 3477. Riser.



No. 3478. Tread



No. 3479 Tread.

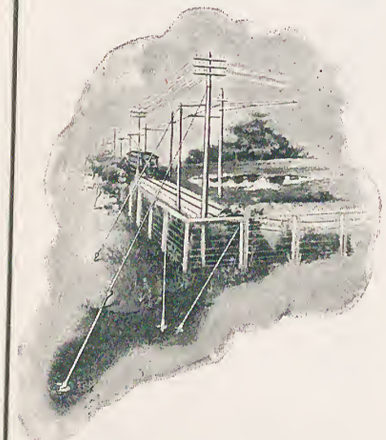


No. 3480. Tread.



No. 3481. Tread.

GUY ANCHORS FOR STAYING POLES, IRON CHIMNEYS, TENTS, &c.



This Cut shows Telegraph Line with Anchor taking the heavy corner strain. It also shows how Wire Fences can be held up at angles with Guy Anchors.

PRICE LIST.

		Weight.	Each.
Smaller sizes without Rods:			
3½ in. Anchors, no Rod.	**No. 3483.**	1 lb.	**1/4**
5 in. Anchors, no Rod.	**No. 3484.**	2½ lb.	**2/6**
6 in. Anchors, no Rod.	**No. 3485.**	4½ lb.	**5/-**
Smaller sizes with 5 ft. Round Rods:			
3½ in. Anchors, ⅞ in. Rods.	**No. 3486.**	2½ lb.	**2/6**
5 in. Anchors, ⅜ in. Rods.	**No. 3487.**	4 lb.	**4/3**
6 in. Anchors, ½ in. Rods.	**No. 3488.**	7¼ lb.	**7/6**
Larger sizes with 5½ ft. Square Rods:			
8 in. Anchors, 1⅛ in. Rods.	**No. 3489.**	38 lb.	**29/3**
10 in. Anchors, 1¼ in. Rods.	**No. 3490.**	50 lb.	**42/9**
12 in. Anchors, 1½ in. Rods.	**No. 3491.**	80 lb.	**58/9**
Wrenches—For smaller Anchors.			
Wrenches for 3½ in.	**No 3492.**	13 lb.	**11/3**
Wrenches for 5 in.	**No. 3493.**	15 lb.	**14/9**
Wrenches for 6 in.	**No. 3494.**	20 lb.	**24/-**

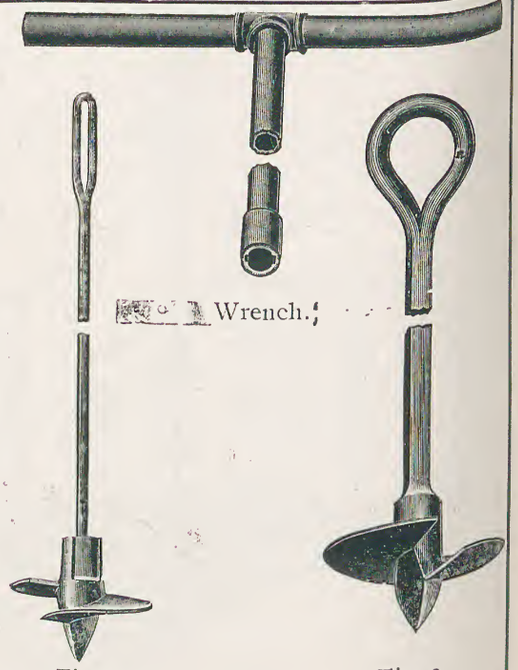
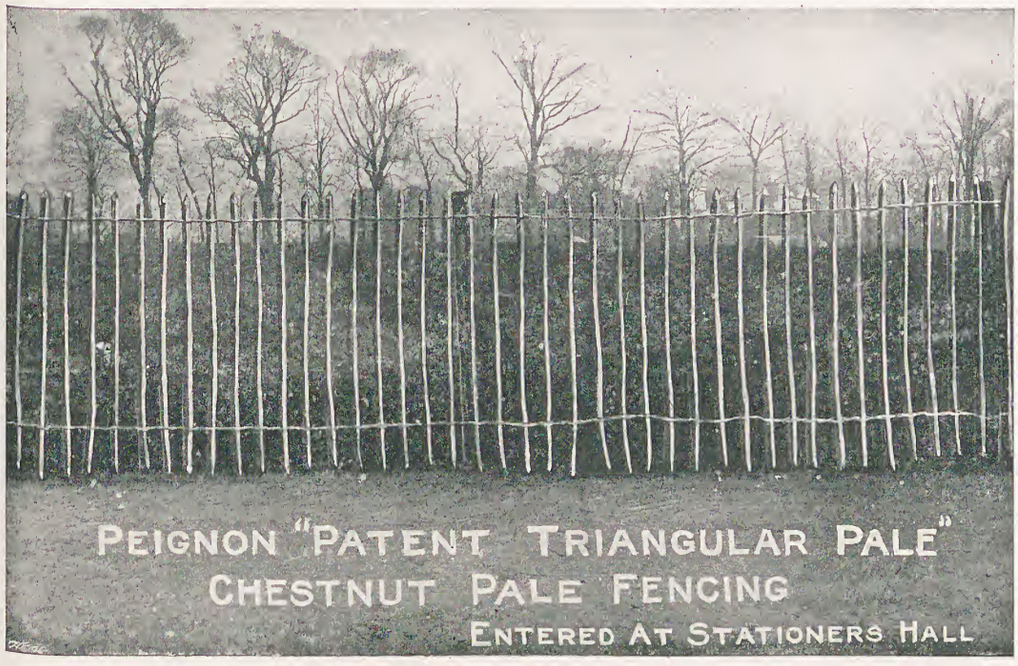


Fig. 1. Fig. 2.

These Anchors bore into the ground in the same way that a wood screw goes into a board. The 3½, 5 and 6 in. (Fig. 1), must be screwed in by means of a wrench as illustrated.

The 8, 10 and 12 in. do not need a wrench as the rods on these sizes are sufficiently heavy to stand the twisting strain.

PATENT "PEIGNON" UNCLIMBABLE CHESTNUT PALE FENCING.



No. 3495.

With Cleft Triangular Pales.

Made in Rolls of 5½ yards.

The Fencing is Machine-made, and has the life of an Oak Fence, the Pales are Hand-split with the grain from Hard Chestnut wood, bound together (by machinery) with Galvanized Strand made of four wires each about ⅛ in. circumference, thus dispensing with cross-bars, also with bolts, nuts, wedges, nails and all the weak parts of ordinary Wood and Iron Fencing.

Prices include 33 Intermediate Posts and one Straining Post and Strut per 100 yards.

Carriage paid on 200 yards and upwards. Smaller lots carriage forward.

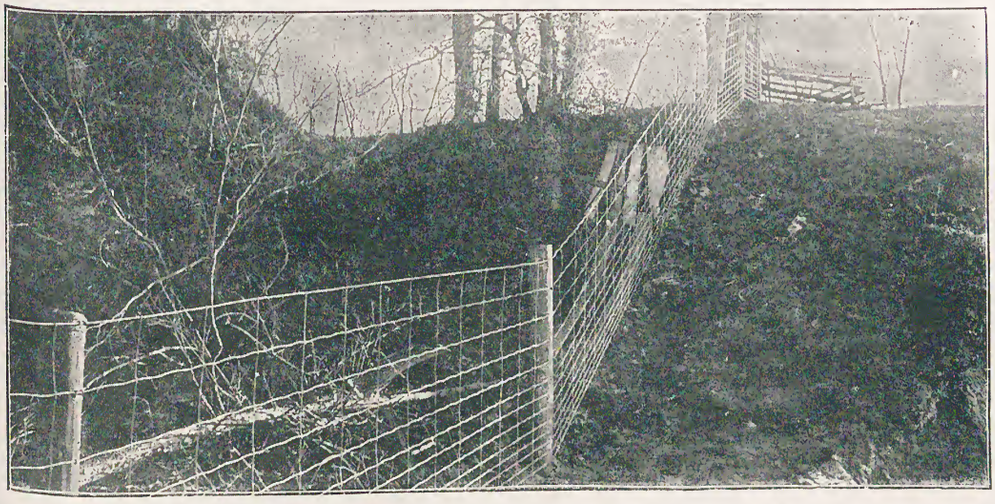
Can also be supplied with Flat Pales, Sawn Square Pales, Square Topped Pales, &c.

Full description with prices sent on application.

	Heights of Fence	2ft. 9½ins.	3ft. 3ins.	3ft. 11ins.	4ft. 4½ins.	4ft. 10⅝ins.	5ft. 6½ins.	6ft. 6ins.	
No. **3495.**	5 Pales per metre of 39 inches	1/3	1/6	1/9	2/3	2/6	3/3	4/3	per yard.
,, **3496.**	8 ,, ,, ...	1/8	2/-	2/4	3/-	3/6	4/3	5/9	,,
,, **3497.**	11 ,, ,, ...	2/3	2/4	2/9	3/6	4/3	5/6	7/3	,,
,, **3498.**	13 ,, ,, ...	2/4	3/-	3/9	4/3	5/-	6/6	8/6	,,
	Without Posts—per yard less	1d.	1½d.	2d.	2d.	2½d.	3d.	4d.	,, less.
	Extra Intermediate Posts, if required	9d.	11d.	1/2	1/5	1/9	2/-	2/8	each.
	Extra Straining Posts and Struts, if required ..	6/-	6/9	7/6	9/-	13/6	14/3	15/-	per set.
	Fixing (including all labour)	3d.	4d.	4d.	5d.	5d.	6d.	9d.	per yard.

Two men's return fares from London extra.

CONTINUOUS GALVANIZED WOVEN STEEL WIRE FENCING.



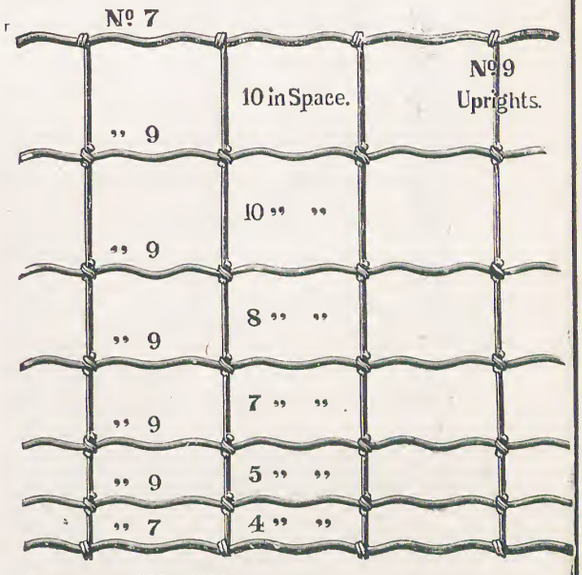


Diagram of No **3501**—7-Wire.

The Fencing herein described is the result of long experience, and is largely used throughout Great Britain, the Colonies and Foreign Countries. The principle kept in view is the making provision for elasticity in a wire Fence, to meet the varying changes in temperature and thus to prevent the sagging and breaking of wires. This is secured by the use of hard **Steel** wire, specially drawn and tempered for the purpose, and of a quality which will stand almost **double the tensile strain of ordinary soft Fencing wire of the same gauge.** The horizontal wires by a special process of manufacture become a series of elliptic springs connected end to end. These wires are securely linked together at a close distance by upright wires, thus preventing the spreading of the horizontal wires.

Upright wires 14 inches apart.

In rolls of 150, 100 and 50 yards

Nos.	**3499.**	**3500**	**3501.**
	Per Lineal Yard.		
Galvanized Continuous Steel Woven Wire Fencing	**10½**d.	**1/2**	**1/-**
Ditto, Including Wrot Iron Standards and Earth-plates for the regular spacing of 18 ft. apart with Binding Wire complete ..	**1/2**	**1/8**	**1/5**

No. **3499.**

8-WIRE, 3 ft. 6in. FENCE

For Sheep Farms and General Estate Purposes.

Woven 39 ins. wide to make a 3 ft. 6 in. Fence when erected.

The close spacing of lateral wires makes it perfectly proof against lambs and small animals.

No. **3500.**

9-WIRE, 4 ft. 6 in. HEAVY FENCE.

Our Standard Railway Pattern.

For Railways, Farms, Parks, &c.

Woven 50 ins. wide to make 4 ft. 6 in. Fence when erected.

Perfectly proof against heavy stock.

No. **3501.**

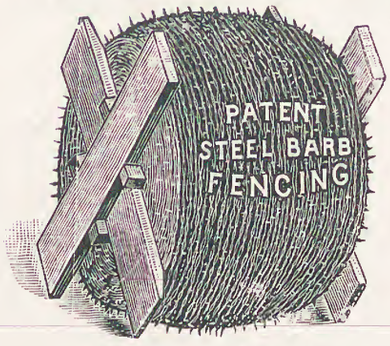
7-WIRE, 4 ft. FENCE.

For Light Railways and General Estate Purposes.

Woven 44 ins. wide to make a 4 ft. Fence when erected.

Spacing and Gauge of wires as indicated in above diagram.

BARBED FENCING WIRE.



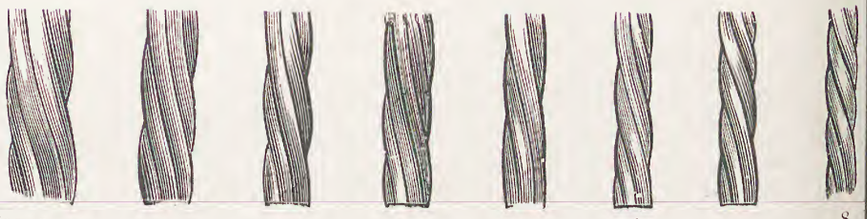
No. 3502. No. 3503.

	Ordinary. 2 4	Thick Set. 2 4 point.
Approximate No. of yards,	598, 560	533, 448 per cwt.
Price	**21/6**	**22/6** per cwt. Reel.
,, ...	**11/6**	**12/-** per ½ cwt. Reel.

¼ cwt. and 100 yards at **1/-** per Reel extra.

GALVANIZED SEVEN PLY WIRE STRAND.

No. 3507.



Nos.	1	2	3	4	5	6	7	8
Approx. No. yards per cwt.	190	230	270	325	385	455	555	680
Price,	**23/6**	**24/-**	**24/9**	**25/9**	**26/9**	**28/6**	**29/3**	**32/-**

per cwt.

Stocked in London in ¼, ½, & 1 cwt. Coils. 3-Ply Strand can be supplied to order.

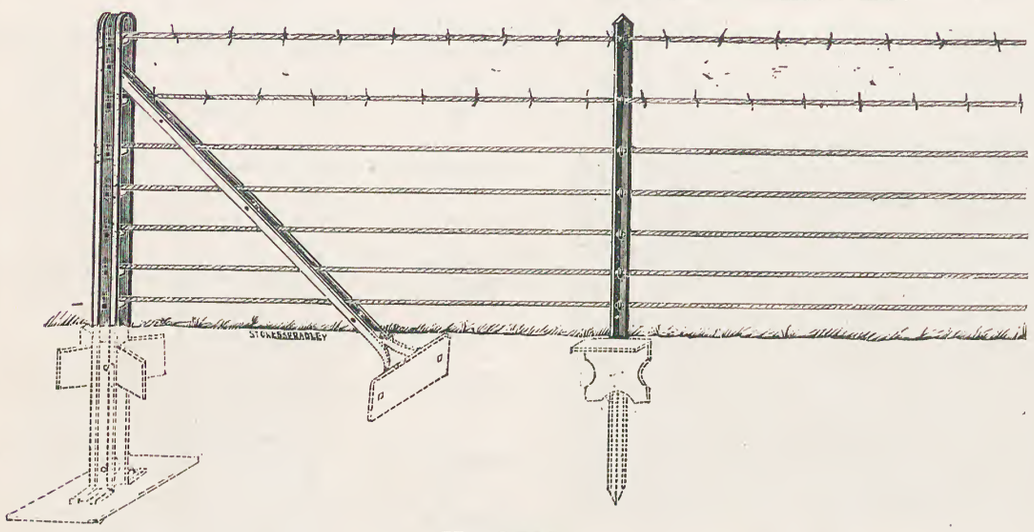
BLACK, BRIGHT, AND GALVANIZED FENCING WIRES.

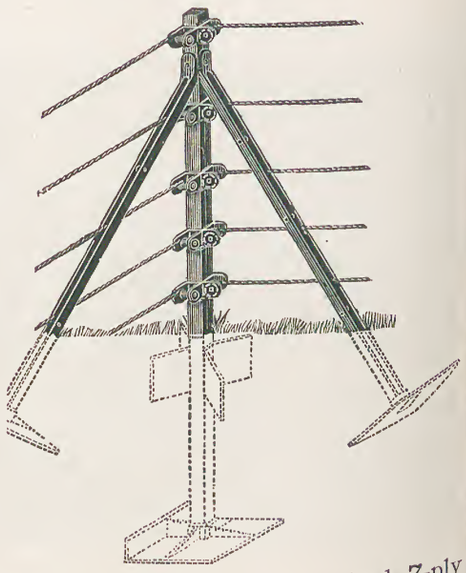


Nos.	1	2	3	4	5	6	7	8	9	10	11	12	
Approx. number of yards per cwt.,	161	190	228	269	322	393	467	566	700	882	1077	1333	
No. 3505. **Price** Bright ..	**16/6**	**16/6**	**16/6**	**16/6**	**16/6**	**16/6**	**16/6**	**17/-**	**17/3**	**17/9**	**18/3**	**18/9**	per cwt.
,, **3506.** ,, Galvanized ..	**20/-**	**20/-**	**20/-**	**20/-**	**20/-**	**20/-**	**20/6**	**21/-**	**21/6**	**22/-**	**22/6**	**23/6**	,,

,, **3304.** ,, Best Black Fencing Rods, Nos. 4, 5 and 6, **15/-** per cwt., Galvanized, **20/-** per cwt.

BARBED WIRE FENCING WITH ANGLE IRON STANDARDS AND CAST IRON EARTH PLATES.





No. 3508.

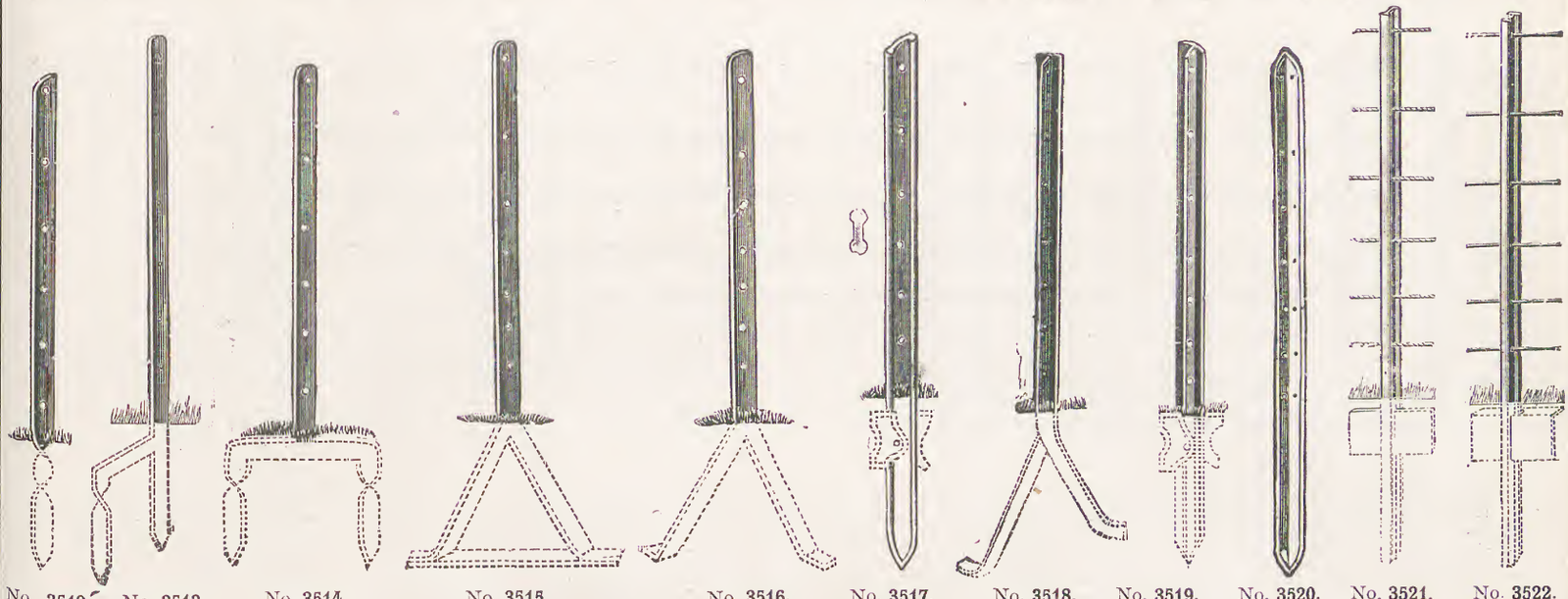
This Fence is 4 ft. high above ground, with 7 Lines Wire, 2 top of Galvanized ordinary 2-point Steel Barb, and 5 lower Galvanized 7-ply Strand, No. 6G. The Standards are of Angle Iron $1\frac{3}{4} \times 1\frac{3}{4} \times \frac{3}{16}$ in., and placed 12 ft. apart. They go 18 ins. into ground, and have strong Cast Iron Earth Plates. The 2 Barb Wires are secured to the Standards with Galvanized Hook Bolts and Nuts. **Price, 1/4** yard.

STRONG WROUGHT IRON STRAINING PILLARS.

No. 3509.	End Straining Pillar and Double Stay, 3 ft. 6 ins. above ground, for 5 wires	£1 12 9 each.
,, ,, ,, ,, ,, ,,	3 ft. 9 ins. and 4 ft. above ground, for 6 wires	1 15 3 ,,
,, ,, ,, ,, ,, ,,	4 ft. above ground, for 7 wires	1 17 3 ,,
No. 3510.	Double Straining Pillar, without Stay, 3 ft. 6 ins. above ground, for 5 wires	1 8 9 ,,
,, ,, ,, ,, ,, ,,	3 ft. 9 ins. and 4 ft. above ground, for 6 wires	1 11 3 ,,
,, ,, ,, ,, ,, ,,	4 ft. above ground, for 7 wires	1 12 9 ,,
No. 3511.	Angle ,, ,, with 2 double Stays, 3 ft. 6 ins. above ground, for 5 wires	2 2 0 ,,
,, ,, ,, ,, ,, ,,	3 ft. 9 ins. and 4 ft. above ground, for 6 wires	2 4 9 ,,
,, ,, ,, ,, ,, ,,	4 ft. above ground, for 7 wires	2 6 0 ,,

The above Pillars are strong, effective, and cheap. The Upright is Wrought Iron, 1½ in. square, and fitted with Wrought Iron Wings and Wrought Iron Base Plate. The Winding Brackets are of Steel, and secured to the pillar by driving a wedge at side, for which purpose a groove is prepared in brackets. They can be adjusted to any distance apart.

WROUGHT-IRON STANDARDS FOR WIRE FENCING.



No. 3512. No. 3513. No. 3514. No. 3515. No. 3516. No. 3517. No. 3518. No. 3519. No. 3520. No. 3521. No. 3522.

SPECIFICATIONS AND PRICES.

No. 3512.	3 ft. 6 ins. high above ground	1¼ in. × ¼ in.	.. ..	**Price** 9/- per doz.	
,,	3 ft. 9 ins. ,, ,,	1¼ ,, × ¼ ,,	.. ..	10/- ,,	
No. 3513.	3 ft. 6 ins. ,, ,,	1¼ ,, × 5/16 ,,	.. ..	15/3 ,,	
,,	3 ft. 9 ins. ,, ,,	1⅜ ,, × 5/16 ,,	.. ..	17/9 ,,	
,,	4 ft. o ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	20/- ,,	
No. 3514.	3 ft. 6 ins. ,, ,,	1¼ ,, × 5/16 ,,	.. ..	16/9 ,,	
,,	3 ft. 9 ins. ,, ,,	1⅜ ,, × 5/16 ,,	.. ..	18/9 ,,	
,,	4 ft. o ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	21/3 ,,	
No. 3515.	3 ft. 6 ins. ,, ,,	1⅜ ,, × 5/16 ,,	.. ..	20/6 ,,	
,,	3 ft. 9 ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	22/9 ,,	
,,	4 ft. o ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	24/9 ,,	
No. 3516.	3 ft. 6 ins. ,, ,,	1⅜ ,, × 5/16 ,,	.. ..	18/9 ,,	
,,	3 ft. 9 ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	20/9 ,,	
,,	4 ft. o ins. ,, ,,	1½ ,, × 5/16 ,,	.. ..	21/3 ,,	
No. 3517.	3 ft. 6 ins. ,, ,,	Section as drawn	.. ..	20/- ,,	including Earth Plates.
,,	3 ft. 9 ins. ,, ,,	Section ,,	.. ..	23/9 ,,	including Earth Plates.
No. 3518.	3 ft. 9 ins. ,, ,,	Section "T"	.. ..	24/6 ,,	
,,	4 ft. o ins. ,, ,,	Section "T"	.. ..	25/3 ,,	
No. 3519.	3 ft. 6 ins. ,, ,,	Section "T"	.. ..	24/- ,,	including Earth Plates.
,,	3 ft. 9 ins. ,, ,,	Section "T"	.. ..	24/9 ,,	including Earth Plates.
,,	4 ft. o ins. ,, ,,	Section "T"	.. ..	25/3 ,,	including Earth Plates.
No. 3520.	3 ft. 6 ins. ,, ,,	1½ in. × 1½ in. × 3/16 in. Angle Iron	..	18/- ,,	
,,	3 ft. 9 ins. ,, ,,	1½ ,, × 1½ ,, × 3/16 ,, ,,	..	19/3 ,,	
,,	4 ft. o ins. ,, ,,	1½ ,, × 1½ ,, × 3/16 ,, ,,	..	20/9 ,,	
,,	4 ft. o ins. ,, ,,	1¾ ,, × 1¾ ,, × 3/16 ,, ,,	..	24/- ,,	
No. 3521.	3 ft. 9 ins. ,, ,,	Section as drawn	.. ..	23/3 ,,	
,,	4 ft. o ins. ,, ,,	Section ,,	.. ..	24/9 ,,	including Earth Plates.
No. 3522.	3 ft. 9 ins. ,, ,,	Bulb T Section	.. ..	34/9 ,,	including Earth Plates.
,,	4 ft. o ins. ,, ,,	Bulb T Section	.. ..	37/3 ,,	including Earth Plates.

STRAINING EYE BOLTS.



No. 3523. All ½ in. diam. with **two** nuts and **two** washers to each bolt.

Length in inches ..	12	14	18
Price per doz., Black ..	5/3	6/-	8/-
,, ,, Galvanized	6/3	6/9	9/3

GALVANIZED BARREL WIRE STRAINERS.

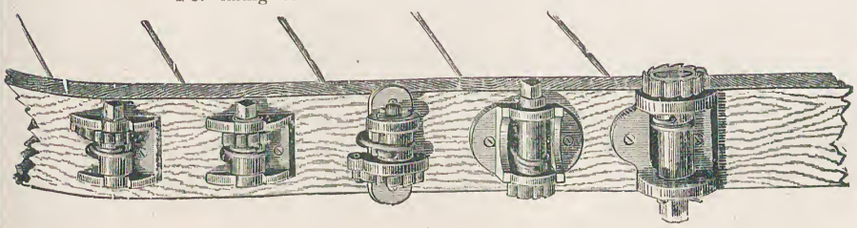


No. 3524. With Eye at one end and Hook at the other.

Length ..	6	8	12 inches.
Prices ..	17/6	26/9	42/6 per doz.

JAPANNED RATCHETS.

For fixing to Wooden Posts for straining up Wires.



Sizes	1	2	3	4	5
For Wires Nos.	10 to 16	10 to 16	8 to 12	5 to 7	0 to 4

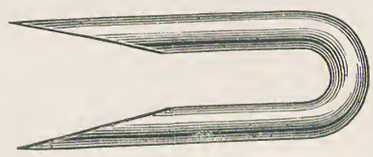
No. 3525.

Size	1	2	3	4	5
Price per dozen	10/-	9/-	24/-	17/9	24/-

No. 3527. Keys for the above, 1/9 each.

FENCING STAPLES.

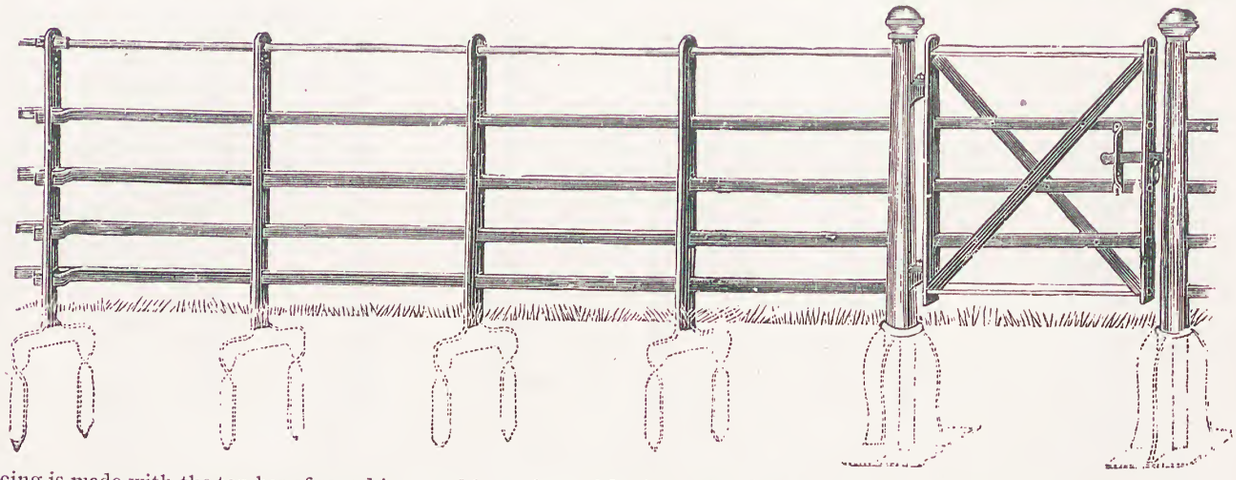
Best Machine Made.



No. 3526.

Sizes ..	1	1¼	1½	1¾	2 ins.
Gauges ..	10	9	8	7	6 W.G.
Iron	28/-	26/-	25/-	24/-	24/- per cwt.
Galvanized ..	33/-	31/-	30/-	29/-	29/- ,,

WROUGHT IRON CONTINUOUS FLAT & ROUND BAR FENCING.



Flat Bar Fencing is made with the top bar of round iron, and lower bars of flat iron, placed edge upwards. The Standards are generally placed 3 ft. apart, with a joining Standard every 15 ft. The flat bars are secured to Standards on the notch and wedge principle (see engraving below), which firmly holds the Standards in their upright position. All the flat bars are notched and wedged at the joining Standards, thus rendering the withdrawal of the horizontal bars impossible.

Round Bar Fencing is made with all the horizontal bars of round iron, connected with ferrule joint.

No. **3528**. FLAT BAR.

Height above Ground.	Depth under Ground.	Size of Intermediate Standards.	Size of Joining Standards, placed 15 ft. apart.	No. of Bars.	Size of Top Bar.	Size of Lower Bars.	Prices per yd.	Extras per yard. Additional Flat Lower Bar.	Extras per yard. If with Sq. Top Bar instead of Round.
ft. in.	inches.	inch.	inch.		Round.	Flat.		per yd.	in.
3 6	12	$1\frac{1}{4}\times\frac{1}{4}$	$1\frac{1}{2}\times\frac{6}{16}$	5	$\frac{5}{8}$ in.	$1\times\frac{1}{4}$ in.	**3/-**	**4d.**	$\frac{9}{16}$ sq. **1½d.**
3 6	13	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{1}{2}\times\frac{3}{8}$	5	$\frac{5}{8}$,,	$1\times\frac{1}{4}$,,	**3/6**	**4d.**	$\frac{9}{16}$,, **1½d.**
3 9	14	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{1}{2}\times\frac{6}{16}$	5	$\frac{5}{8}$,,	$1\times\frac{1}{4}$,,	**4/-**	**4d.**	$\frac{11}{16}$,, **2d.**
3 9	14	$1\frac{3}{8}\times\frac{3}{8}$	$1\frac{1}{2}\times\frac{3}{8}$	5	$\frac{5}{8}$,,	$1\times\frac{1}{4}$,,	**4/3**	**4d.**	$\frac{11}{16}$,, **2d.**
4 0	14	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{3}{4}\times\frac{3}{8}$	5	$\frac{3}{4}$,,	$1\times\frac{1}{4}$,,	**4/-**	**4d.**	$\frac{11}{16}$,, **2d.**
4 0	14	$1\frac{3}{8}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	6	$\frac{3}{4}$,,	$1\times\frac{1}{4}$,,	**4/9**	**4d.**	$\frac{11}{16}$,, **2d.**
4 6	15	$1\frac{1}{2}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	6	$\frac{3}{4}$,,	$1\times\frac{1}{4}$,,	**5/-**	**4d.**	$\frac{11}{16}$,, **2d.**

No. **3529** ROUND BAR.

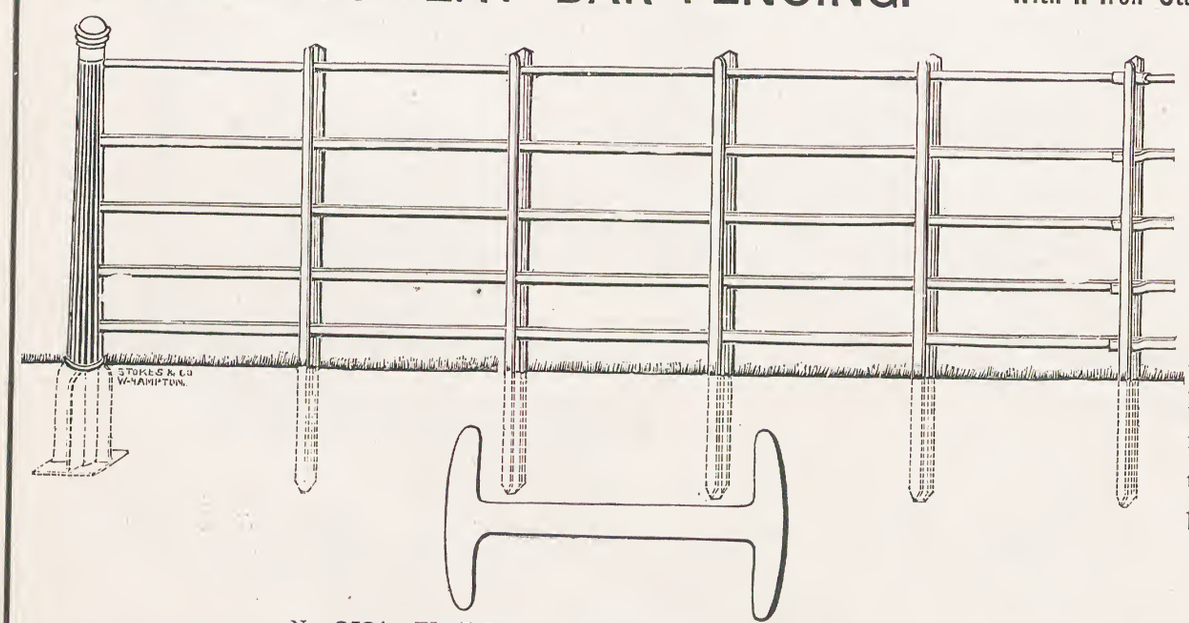
Height above Ground.	Depth under Ground.	Size of Intermediate Standards.	Size of Joining Standards.	No. of Bars.	Size of Top Bar.	Size of Lower Bars.	Prices per yd.	Extras per yard. Additional Round Lower Bar.	Extras per yard. If with Sq Top Bar instead of Round.
ft. in.	inches.	inch.	inch.		Round.	Round.		per yd.	in.
3 6	12	$1\frac{1}{4}\times\frac{1}{4}$	$1\frac{1}{2}\times\frac{6}{16}$	5	$\frac{5}{8}$ in.	$\frac{1}{2}$ in.	**3/-**	**3d.**	$\frac{9}{16}$ sq. **1½d.**
3 6	13	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{1}{2}\times\frac{3}{8}$	5	$\frac{5}{8}$,,	$\frac{5}{8}$,,	**3/3**	**3d.**	$\frac{9}{16}$,, **1½d.**
3 6	13	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{1}{2}\times\frac{3}{8}$	5	$\frac{5}{8}$,,	$\frac{5}{8}$,,	**3/9**	**5d.**	$\frac{9}{16}$,, **1½d.**
3 6	13	$1\frac{3}{8}\times\frac{6}{16}$	$1\frac{1}{2}\times\frac{3}{8}$	5	$\frac{5}{8}$,,	$\frac{5}{8}$,,	**4/-**	**5d.**	$\frac{9}{16}$,, **1½d.**
3 9	14	$1\frac{1}{2}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	5	$\frac{3}{4}$,,	$\frac{5}{8}$,,	**4/3**	**5d.**	$\frac{11}{16}$,, **2d.**
3 9	14	$1\frac{1}{2}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	5	$\frac{3}{4}$,,	$\frac{5}{8}$,,	**4/9**	**5d.**	$\frac{11}{16}$,, **2d.**
4 6	15	$1\frac{1}{2}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	6	$\frac{3}{4}$,,	$\frac{5}{8}$,,	**5/-**	**5d.**	$\frac{11}{16}$,, **2d.**
4 6	15	$1\frac{1}{2}\times\frac{3}{8}$	$1\frac{3}{4}\times\frac{3}{8}$	6	$\frac{3}{4}$,,	$\frac{5}{8}$,,	**5/6**	**5d.**	$\frac{11}{16}$,, **2d.**

No. **3530**. Cast Iron Terminal Pillars, with self-fixing bases, up to 3 ft. 9 in. high, **Price, 15/3** each; up to 4 ft. high, **Price, 16/-** each; up to 4 ft. 6 in. high, **Price, 17/3** each extra.

Prices INCLUDE one coat Black Varnish before leaving Works, with Wedges and Rivets complete.

CONTINUOUS FLAT BAR FENCING.

With H Iron Standards, as full size section shown.



This makes a very strong and substantial Fence. The Standards are in one solid piece, without welds, and have great resisting power. It has a very bold appearance, easily fixed, and the section of Standards is simply unbreakable, even under the hardest usage. Having a double flange at each end of the Standards, the punching of holes for horizontal bars causes no weakness.

No. **3531**. FLAT BAR FENCING

Height above Ground.	Depth under Ground.	Distance apart of Standards.	Size of Standards.	No. of Bars.	Size of Top Bar.	Size of Lower Bars.	Prices per yd.	Extras per yard. Standards 6 inches less in ground and with Earth Plates.	Extras per yard. Additional Flat Lower Bar	Extras per yard. If made 3 ins. higher.
ft. in.	inches.	ft. in.	Section		Round.	Flat.			per yd.	per yd.
3 9	24	3 0	as above.	5	$\frac{3}{4}$ in.	$1\times\frac{1}{4}$ in.	**4/3**	**6**d. per yard.	**4**d.	**3**d.
4 0	24	3 0	,,	5	$\frac{3}{4}$,,	$1\times\frac{1}{4}$,,	**4/6**	**6**d. ,,	**4**d.	**3**d.
4 6	27	3 0	,,	6	$\frac{3}{4}$,,	$1\times\frac{1}{4}$,,	**5/-**	**6**d. ,,	**4**d.	**3**d.
4 6	27	3 9	,,	6	$\frac{7}{8}$,,	$1\times\frac{5}{16}$,,	**5/6**	**5**d. ,,	**6**d.	**3**d.

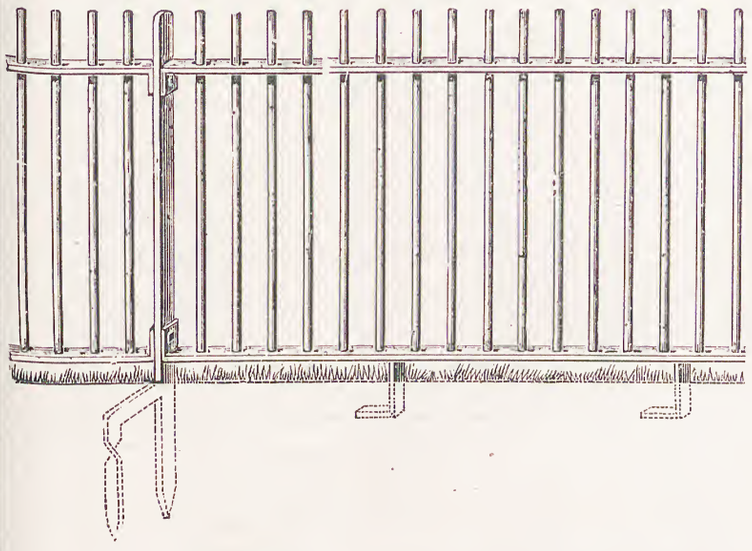
No. **3532**. ROUND BAR FENCING.

Size of Top Bar.	Size of Lower Bars.	Prices per yard.	Extras per yard. Standards 6 inches less in ground and with Earth Plates.	Extras per yard. Additional Round Lower Bar.	Extras per yard. If made 3 ins. higher.
Round.	Round.			per yd.	per yd.
$\frac{3}{4}$ in.	$\frac{5}{8}$ in.	**4/9**	**6**d. per yard.	**5**d.	**3**d.
$\frac{3}{4}$,,	$\frac{5}{8}$,,	**5/-**	**6**d. ,,	**5**d.	**3**d.
$\frac{3}{4}$,,	$\frac{5}{8}$,,	**5/6**	**6**d. ,,	**5**d.	**3**d.
$\frac{7}{8}$,,	$\frac{3}{4}$,,	**6/9**	**5**d. ,,	**8**d.	

Prices INCLUDE one coat Black Varnish before leaving Works, with Wedges and Rivets complete.

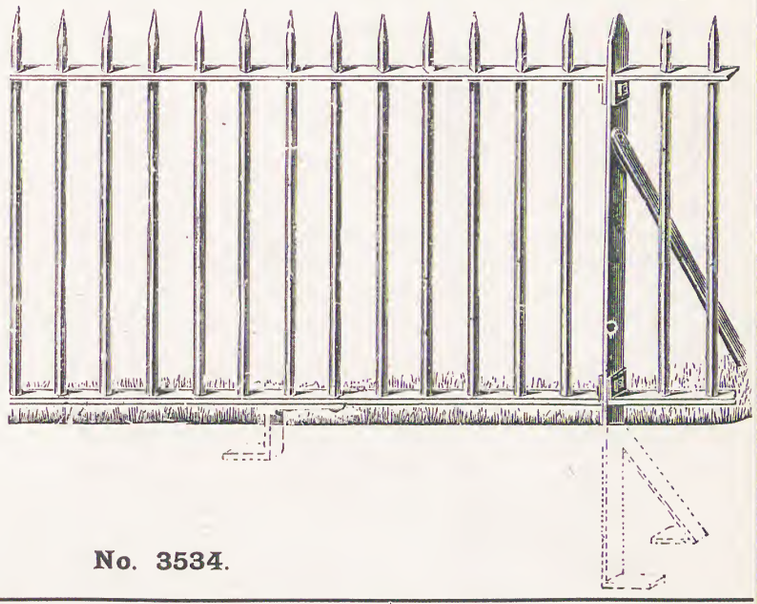
CHEAP CONTINUOUS UNCLIMBABLE RAILING, in 9 ft. Panels.

Blunt or Pointed Tops.



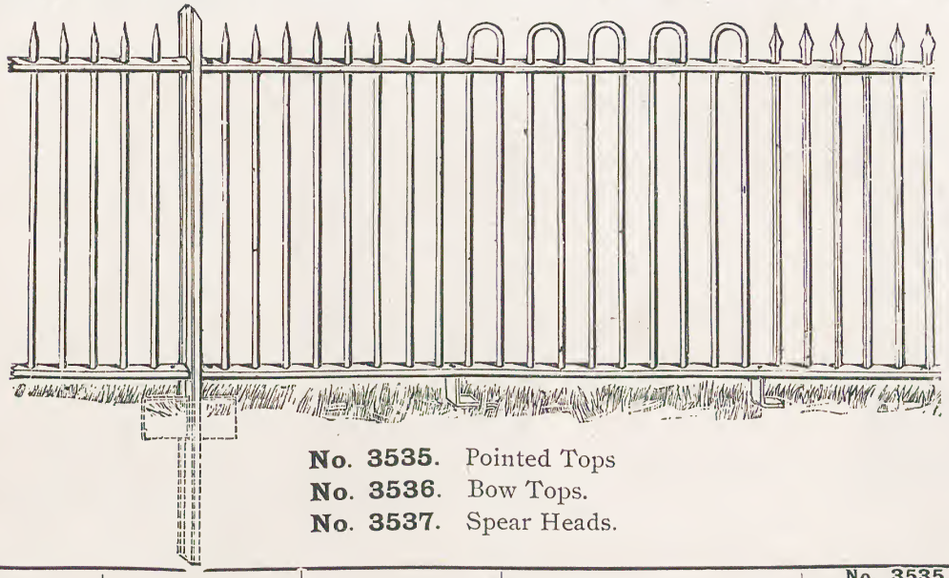
No. 3533

Square Iron Uprights set on angle, and Sharp Pointed Tops.

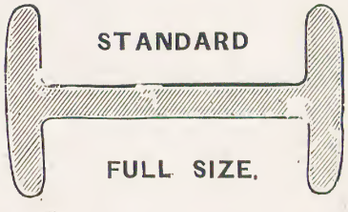


No. 3534.

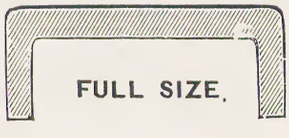
No.	Height above ground.	Size of Frame. Flat Iron.	Vertical Bars. Size.	Vertical Bars. Distance. Centre to Centre.	**Price** per yard. Black Varnished. Bolts & Nuts complete	Extra per yard if Painted.	Side Stays extra.
3533.	3 feet 6 inches	$1\frac{1}{4}\times\frac{3}{8}$ in.	$\frac{1}{2}$ in. dia.	$4\frac{1}{2}$ inches	**5/3**		
,,	4 ,, 0 ,,	,,	,,	,,	**5/9**	**2d.**	To suit Railing up to $4\frac{1}{2}$ feet high **2/-** each.
,,	4 ,, 6 ,,	,,	,,	,,	**6/-**		
,,	4 ,, 0 ,,	$1\frac{1}{2}\times\frac{3}{8}$ in.	$\frac{5}{8}$ in. dia.	$4\frac{3}{4}$ inches	**7/6**		
,,	4 ,, 6 ,,	,,	,,	,,	**8/-**	**3d.**	
,,	5 ,, 0 ,,	,,	,,	,,	**8/9**		
,,	5 ,, 0 ,,	$1\frac{3}{4}\times\frac{3}{8}$ in.	$\frac{3}{4}$ in. dia.	$5\frac{1}{8}$ inches	**11/-**	**3½d.**	To suit Railing up to $5\frac{1}{2}$ feet high **2/3** each.
,,	5 ,, 6 ,,	,,	,,	,,	**11/9**		
3534.	3 ,, 6 ,,	$1\frac{1}{2}\times\frac{3}{16}$ in.	$\frac{1}{2}$ in. square	$4\frac{1}{2}$ inches	**6/-**		
,,	3 ,, 9 ,,	,,	,,	,,	**6/6**	**2d.**	To suit Railing up to $4\frac{1}{2}$ feet high **2/-** each.
,,	4 ,, 0 ,,	,,	,,	,,	**6/9**		
,,	4 ,, 0 ,,	$1\frac{1}{2}\times\frac{3}{8}$ in.	$\frac{3}{16}$ in. square	$4\frac{7}{8}$ inches	**7/6**		
,,	4 ,, 6 ,,	,,	,,	,,	**8/-**	**3d.**	
,,	5 ,, 0 ,,	,,	,,	,,	**8/9**		
,,	4 ,, 6 ,,	$1\frac{3}{4}\times\frac{3}{8}$ in.	$\frac{5}{8}$ in. square	$5\frac{3}{8}$ inches	**9/3**	**3½d.**	To suit Railing up to 5 feet high **2/3** each.
,,	5 ,, 0 ,,	,,	,,	,,	**10/-**		



No. 3535. Pointed Tops
No. 3536. Bow Tops.
No. 3537. Spear Heads.



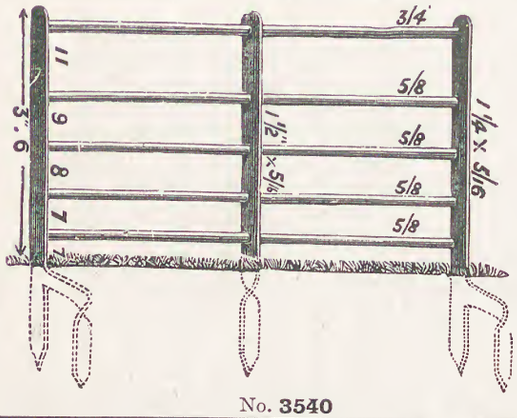
HORIZONTAL



Height above Ground.	Size of Horizontals. Channel Steel.	Size of Standards. H Steel.	Vertical Bars, Pointed Tops. Size.	Vertical Bars, Pointed Tops. Distance Centre to Centre	**No. 3535. Prices** per yard, Black Varnished. Bolts & Nuts complete	Extra if Painted instead of Varnished.	Side Stays extra.
4 feet 0 inches	Section shown	Section shown	$\frac{3}{8}$ in. dia.	$4\frac{1}{8}$ inches	**8/3**		
4 ,, 6 ,,	,,	,,	$\frac{5}{8}$,, ,,	$4\frac{1}{8}$,,	**9/-**	**3d.** per yard.	For Railing up to 4ft. 6in. high, price **2/-** each.
5 ,, 0 ,,	,,	,,	$\frac{5}{8}$,, ,,	$4\frac{1}{8}$,,	**9/9**		
4 ,, 6 ,,	,,	,,	$\frac{3}{4}$,, ,,	$4\frac{1}{2}$,,	**10/9**		
5 ,, 0 ,,	,,	,,	$\frac{3}{4}$,, ,,	$4\frac{1}{2}$,,	**12/-**	**3½d.** ,,	For Railing up to 5ft. 0in. high, price **2/3** each.
4 ,, 6 ,,	,,	,,	$\frac{5}{8}$,, square	$4\frac{1}{2}$,,	**10/-**		
5 ,, 0 ,,	,,	,,	$\frac{5}{8}$,, ,,	$4\frac{1}{2}$,,	**11/-**		

No. 3536. With Bow Tops without extra charge. **No. 3537.** With Spear Heads, price **8d.** per yard extra.

SHEEP AND CATTLE HURDLES.

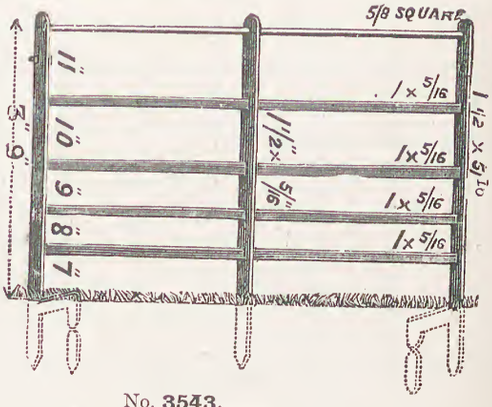


No. **3540**

Each Hurdle is 6 ft. long, and prices include one coat Black Varnish before leaving Works.

Sheep Hurdles are complete with Link.

Cattle Hurdles are complete with necessary Bolts and Nuts.



No. **3543**.

No. **3538** 4-Bar Sheep Hurdle.
Top Bar $\frac{5}{8}$ in. dia. Lower Bars $\frac{1}{2}$ in. dia.
Uprights $1\frac{1}{4} \times \frac{1}{4}$ in. Flat Iron.
Height 3ft. above ground.
Price 4/6 each.

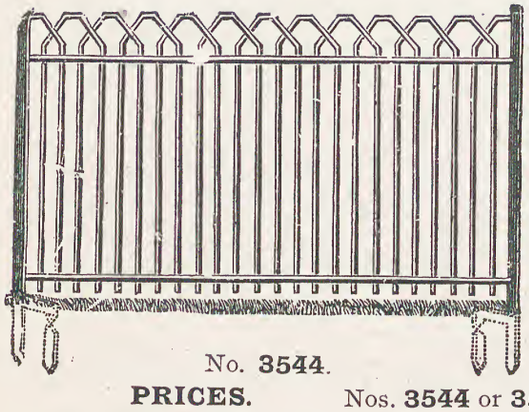
No. **3539**. Light Cattle Hurdle, 5-Bar.
Top Bar, $\frac{5}{8}$ in. dia. Lower Bars $\frac{1}{2}$ in. dia.
Uprights $1\frac{1}{4} \times \frac{1}{4}$ in. Flat.
3 ft. 6 ins. out of ground.
Price 6/3 each.

No. **3540**. Strong Cattle Hurdle, 5-Bar.
Sizes as drawn.
Price 8/9 each.

No. **3541**. 4-Bar Sheep Hurdles.
Top Bar $\frac{5}{8}$ in. dia. round. Lower Bars $1 \times \frac{1}{4}$ in. Flat Iron.
Uprights $1\frac{1}{4} \times \frac{5}{16}$ in. Flat. Height out of ground, 2ft. 8ins.
Price 5/9 each.

No. **3542**. Light Cattle Hurdle, 5-Bar.
Top Bar $\frac{5}{8}$ in. dia. round. Lower Bars $1 \times \frac{1}{4}$ in. Flat.
Uprights $1\frac{1}{4} \times \frac{1}{4}$ in. Flat. 3 ft. 6 ins. out of ground.
Price 6/9 each.

No. **3543**. Strong Cattle Hurdle, 5-Bar.
Sizes as drawn.
Price 9/3 each.



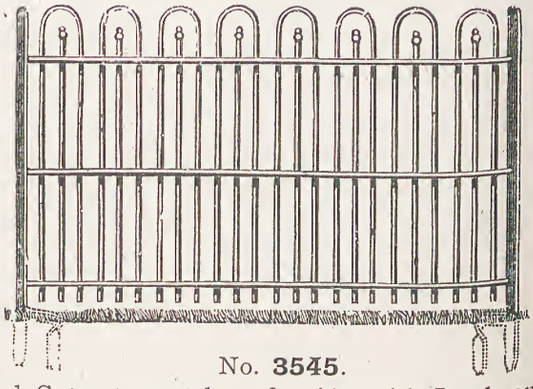
No. **3544**.

Strong Ornamental Hurdles.

Upright Bars $\frac{5}{16}$ in. dia. at 2 in apart centres.

End Uprights and Horizontal Bars $1\frac{1}{4} \times \frac{1}{4}$ in.

Made with three Horizontals if more than 3 ft. high.



No. **3545**.

PRICES. Nos. **3544** or **3545**.

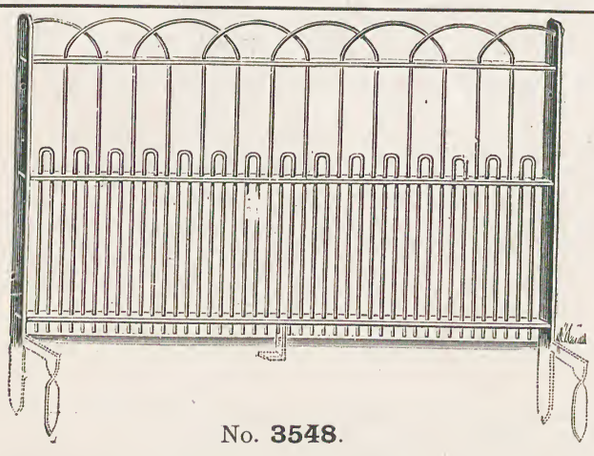
2 ft. 6 ins. high above ground	.. ..	**5/3** per yard.
3 ft. ,, ,,	.. ..	**5/9** ,,
3 ft. 6 ins. ,, ,,	.. ..	**6/6** ,,
4 ft. ,, ,,	.. ..	**6/9** ,,

Bolts and Nuts complete, and Painted one coat before leaving Works.

No. **3546**.—Hand Gates to match, 3 ft. wide, with Latch and Catch, and hung to Strong Wrought-iron Standards.
Prices—Up to 3 ft. high **32/-** Up to 4 ft. high **34/-** each.

No. **3547**.—Hand Gates to match, 3 ft. wide, with Latch and Catch, and hung to Cast-iron Pillars. S.F. Bases.
Prices—Up to 3 ft high **45/-** Up to 4 ft. high **52/9** each.

Hurdles under 6 ft. long will be charged as 6 ft.

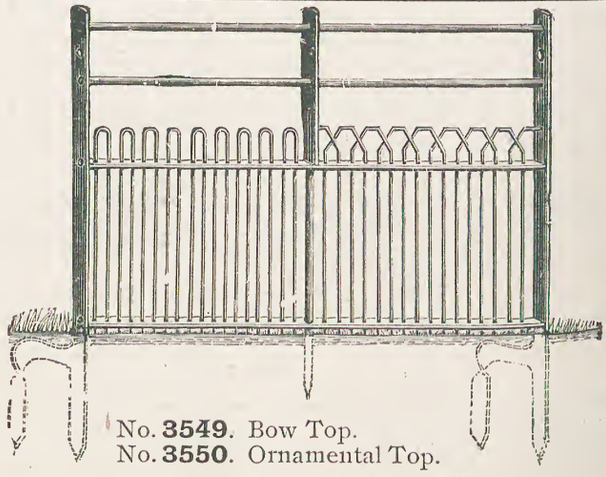


No. **3548**.

EXTRA STRONG ORNAMENTAL GAME-PROOF PARK HURDLE.

The above Hurdle is 6 ft. long and 4 ft. high above ground. The End Uprights and Horizontal Bars are $1\frac{1}{4}$ in. $\times \frac{3}{8}$ in. The Vertical Bars are $\frac{3}{8}$ in. diameter and placed $1\frac{1}{4}$ in apart between the Lower Bars, which are 2 ft. 6 ins. high.

Price 9/- per yard.
Including one coat Paint before leaving Works, and two Bolts and Nuts to each Hurdle.



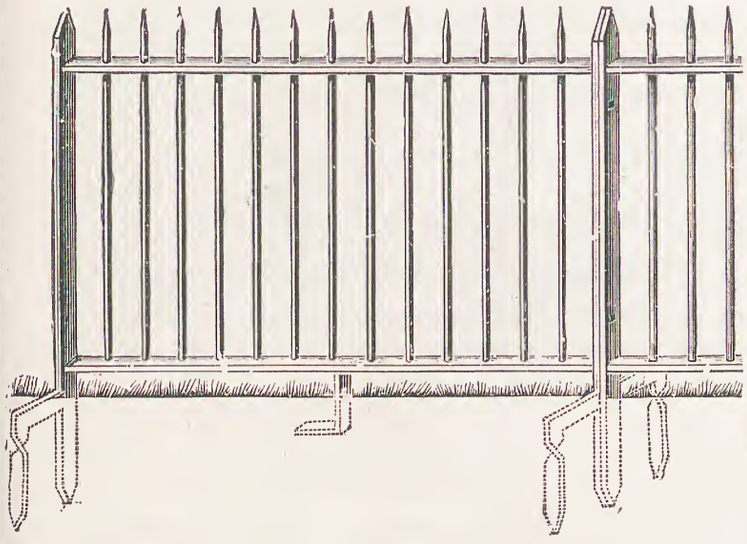
No. **3549**. Bow Top.
No. **3550**. Ornamental Top.

GAME-PROOF OX HURDLE.

The above Hurdle is 6 ft. long $\times$ 3 ft. 9 ins. high above ground, End Uprights $1\frac{1}{2}$ in. $\times \frac{5}{16}$ in. The Two Top Horizontals are $\frac{5}{8}$ in. diameter, and the Two Lower $1\frac{1}{2}$ in. $\times \frac{1}{4}$ in. The Game-Proof portion is 2 ft. 6 in. high, of $\frac{1}{4}$ in. diameter Bars, at $1\frac{1}{2}$ in. apart Centre to Centre.

Either Pattern .. .. **Price 6/9** per yard.
Including one coat Paint, and Bolts and Nuts complete.

CHEAP UNCLIMBABLE WROUGHT IRON HURDLES.

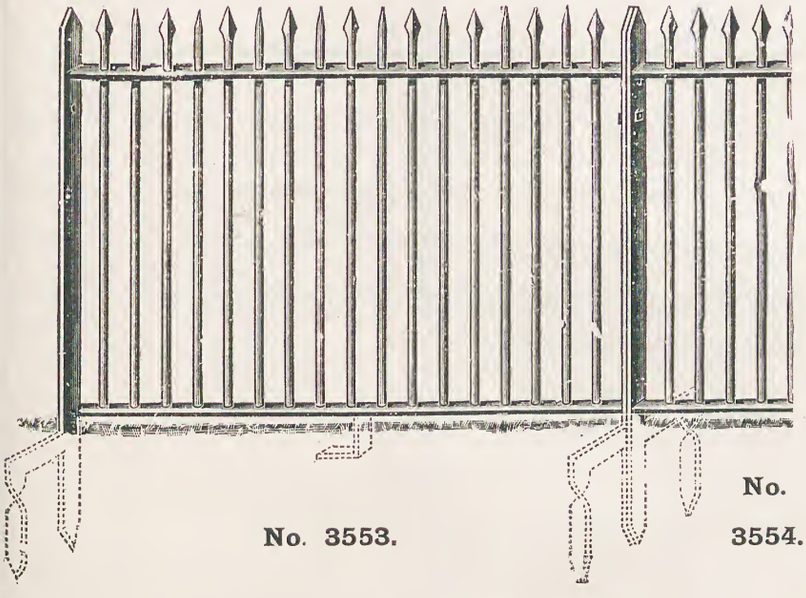


No. 3551.—Round Upright Bars.
,, **3552.**—Square Vertical Bars set on Angle.

No.	Height above Ground.	Size of Frame. Flat Iron.	Vertical Bars. Size.	Vertical Bars. Centre to Centre.	Price, per yard.
3551	3 ft. 0 ins.	$1\frac{3}{8} \times \frac{5}{16}$ in.	$\frac{1}{2}$ in. diam.	$4\frac{1}{2}$ ins.	**5/9**
,,	4 ,, 0 ,,	,,	,,	,,	**6/3**
,,	4 ,, 6 ,,	,,	,,	,,	**6/9**
,,	3 ,, 9 ,,	$1\frac{1}{2} \times \frac{3}{8}$ in.	$\frac{5}{8}$ in. diam.	$4\frac{3}{4}$ ins.	**8/-**
,,	4 ,, 0 ,,	,,	,,	,,	**8/3**
,,	4 ,, 6 ,,	,,	,,	,,	**9/-**
,,	5 ,, 0 ,,	,,	,,	,,	**9/9**
,,	5 ,, 0 ,,	$1\frac{3}{4} \times \frac{3}{8}$ in.	$\frac{3}{4}$ in. diam.	$5\frac{1}{8}$ ins	**12/-**
,,	5 ,, 6 ,,	,,	,,	,,	**13/-**
3552	4 ft. 0 ins.	$1\frac{1}{2} \times \frac{3}{8}$ in.	$\frac{5}{16}$ in. square.	$5\frac{1}{8}$ ins.	**8/-**
,,	4 ,, 6 ,,	,,	,,	,,	**9/-**
,,	4 ,, 6 ,,	$1\frac{3}{4} \times \frac{3}{8}$,,	$\frac{5}{8}$ in. square.	$5\frac{1}{2}$ ins.	**10/-**
,,	5 ,, 0 ,,	,,	,,	,,	**11/-**

Each Hurdle is 6 ft. long, and is covered with one coat best Black Varnish before leaving works, with necessary Bolts and Nuts.

Side Stays to suit Hurdles up to $4\frac{1}{2}$ ft. high, **2/-** each extra.
,, ,, ,, $5\frac{1}{2}$,, **2/3** ,,



No. 3553. **No. 3554.**

No. 3553.—Alternate Bars Speared.
,, **3554.**—All Spear Heads.

Nos. 3553 and **3554.**—Made to same specification as **No. 3551** above.

Extras as follows—

No. 3553.

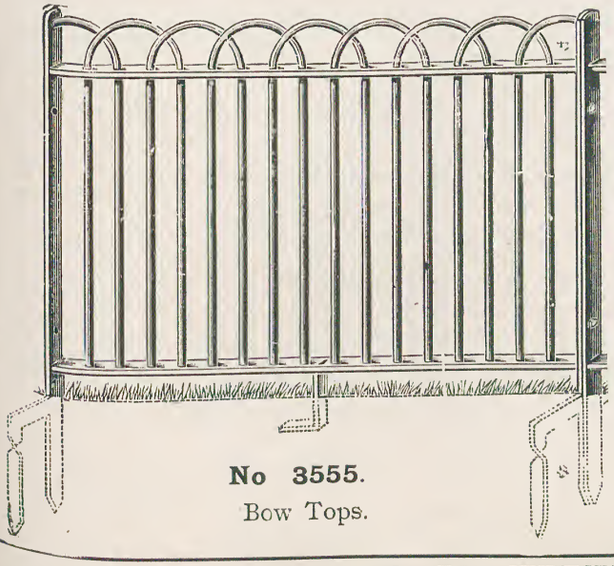
Alternate Spear and Pointed Tops.

$\frac{1}{2}$ in. or $\frac{5}{8}$ in. Diameter, **6**d. per yard extra on above prices.
$\frac{3}{4}$ in. ,, **8**d. ,, ,, ,,

No. 3554.

All Uprights Speared.

$\frac{1}{2}$ in. or $\frac{5}{8}$ in. Diameter **10**d. per yard extra on above prices.
$\frac{3}{4}$ in. ,, **1/2** ,, ,, ,,



No 3555.
Bow Tops.

No. 3555.—Made to same specification as **No. 3551** above.

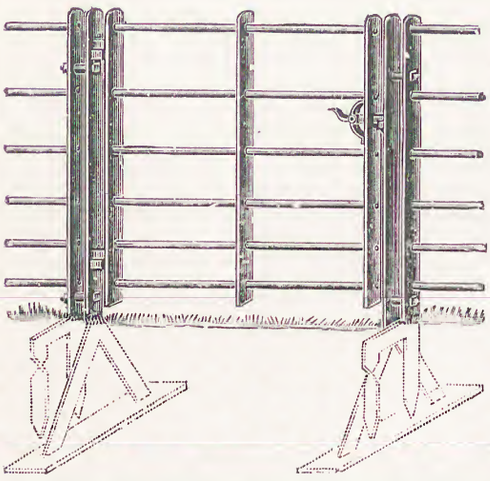
Extras as follows—

$\frac{1}{2}$ in. Uprights, **8**d. per yard extra on above prices.

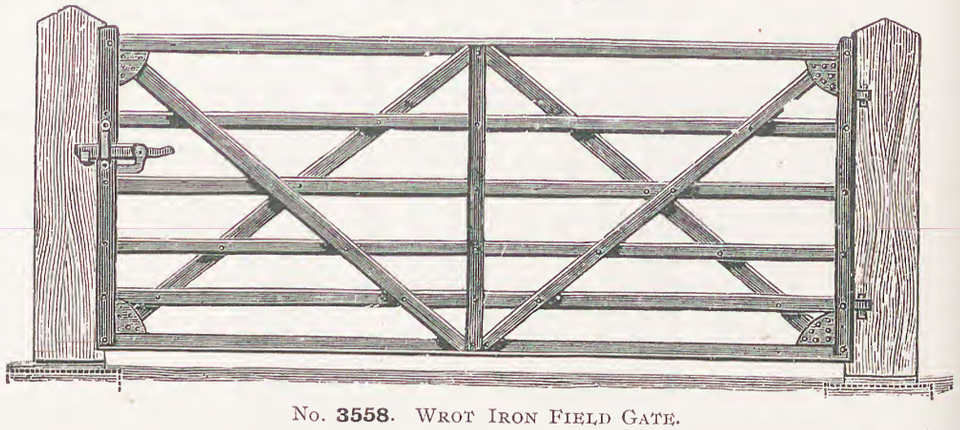
$\frac{5}{8}$ in. ,, **11**d. ,, ,, ,,

$\frac{3}{4}$ in. ,, **1/4** ,, ,, ,,

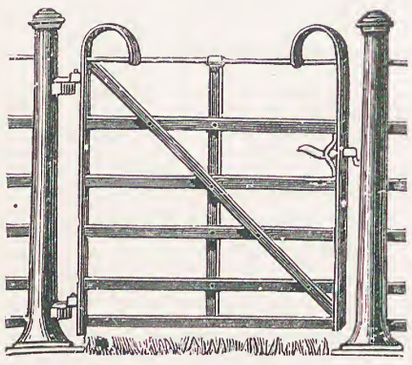
FIELD AND HAND GATES.



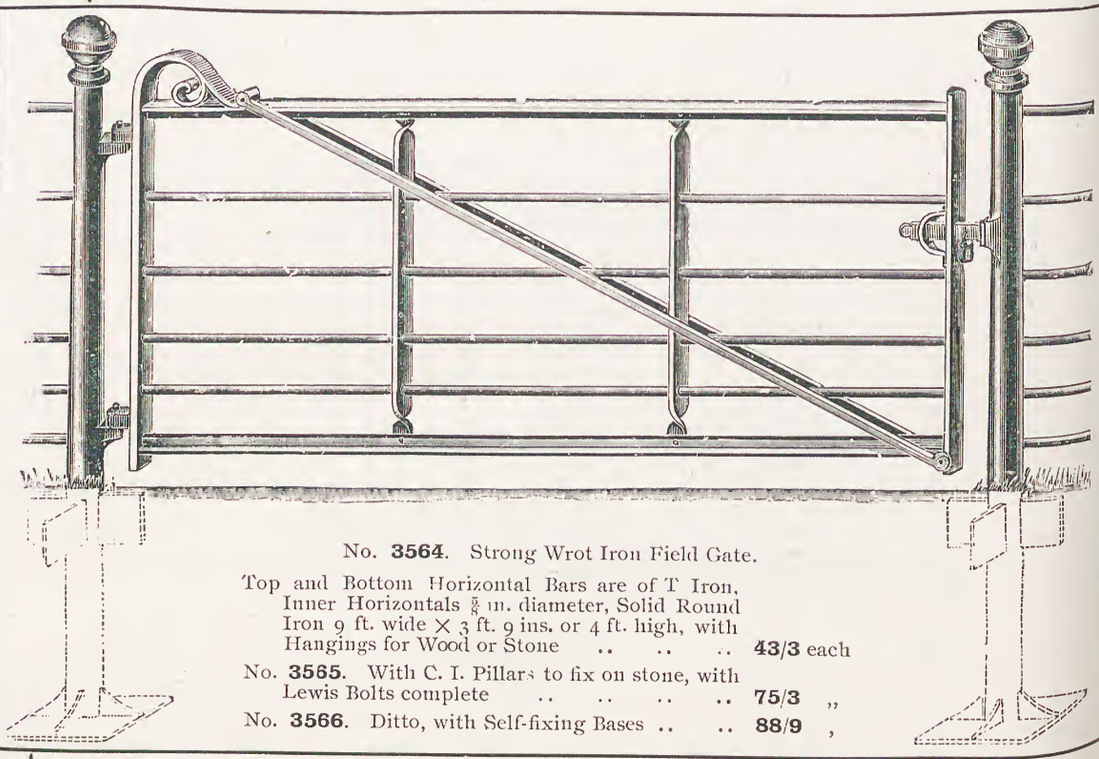
No. **3556**. Plain Wicket.
3 ft. wide × 3 ft. 6 ins. to 4 ft. high.
Hung to Strong Standards to match Light Cattle Fence and Hurdles .. **£1 8 0** each.
No. **3557**. Ditto, hung to Cast Iron Pillars with Bases for Stone .. **2 4 9** ,



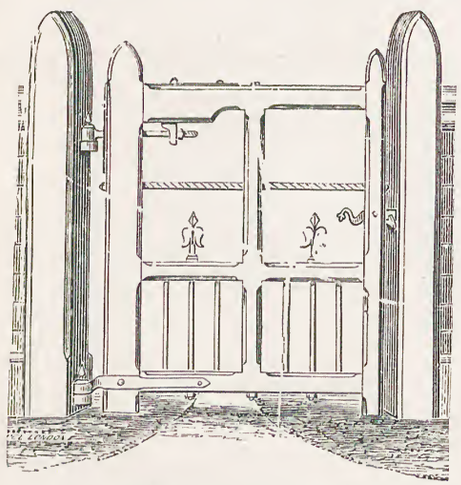
No. **3558**. Wrot Iron Field Gate.
Very Strong. Top and Bottom Bars are T Iron and Angle Iron Brace Bars.
No. **3558**. 9 ft. wide × 3 ft. 9 ins. high, with Hangings for Wood or Stone .. **£1 18 0** each.
No. **3559**. 9 ft. wide × 3 ft. 9 ins. high, with Pillars to fix on Stone .. .. .. **3 10 0** ,,
No. **3560**. 9 ft. wide × 3 ft. 9 ins. high, with Pillars with Self-fixing Bases as shown below .. .. **4 3 3** ,,



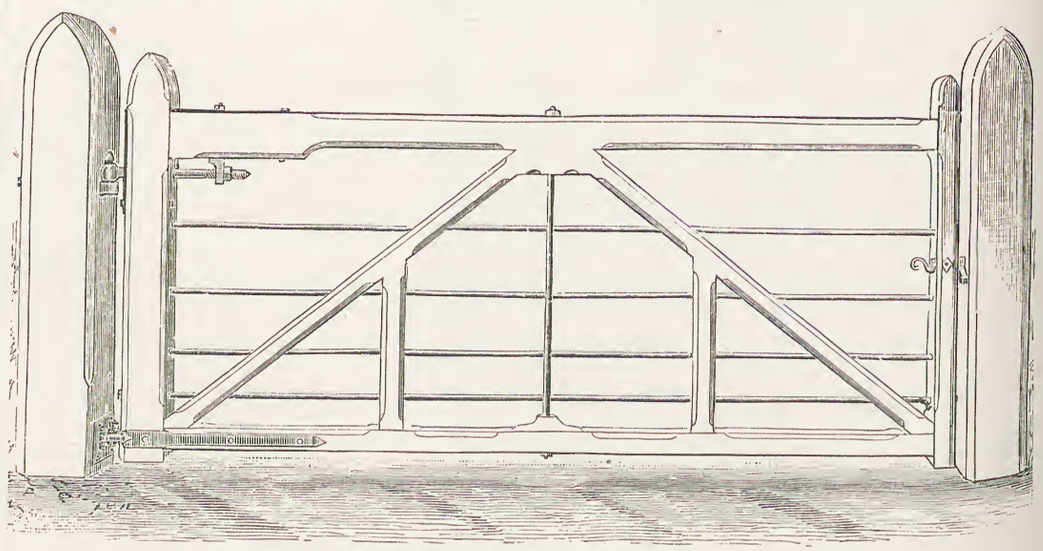
No. **3562**. Strong Hand Gate and Pillars.
3 ft. 6 ins. wide × 3 ft. 6 ins. to 4 ft. high.
No. **3561**. Hung to Strong Standards to match Light Cattle Fence and Hurdles **£1 12 0** each.
No. **3562**. Ditto, hung to Cast Iron Pillars with Bases for Stone .. .. .. **2 8 9** ,,
No. **3563**. Ditto, hung to Cast Iron Pillars with Self-fixing Bases .. .. .. **2 14 9** ,,



No. **3564**. Strong Wrot Iron Field Gate.
Top and Bottom Horizontal Bars are of T Iron, Inner Horizontals ⅝ in. diameter, Solid Round Iron 9 ft. wide × 3 ft. 9 ins. or 4 ft. high, with Hangings for Wood or Stone .. .. .. **43/3** each
No. **3565**. With C. I. Pillars to fix on stone, with Lewis Bolts complete .. .. **75/3** ,,
No. **3566**. Ditto, with Self-fixing Bases .. .. **88/9** ,

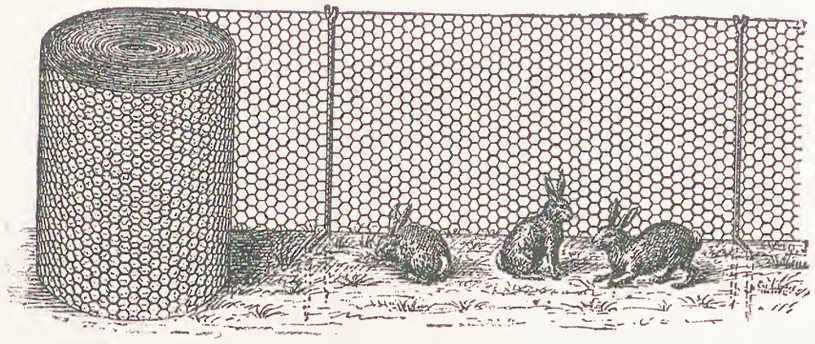


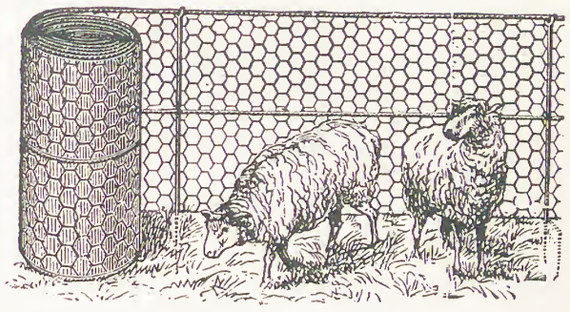
No. **3567**. Oak Wicket Gate.
3 ft. 6 ins. between Posts. 3 ft. 9 ins. high when fixed. Rails and Braces, 2¼ ins Hanging Styles, 4×3¼ ins. Closing Style, 3 × 2½ ins. Posts, 6 × 5 ins. square. 4 ft. 6 ins. high.
No. **3567**. Varnished Oak Gate and Posts .. .. .. **£5 4 6** set.
No. **3568**. Ditto, without Posts .. **3 12 0** ,,



No. **3569**. Oak Entrance Gate.
Width of Opening, 9 ft. 7 ins. between Posts. 4 ft. high when fixed. Rails and Braces, 2½ ins. thick. Hanging Styles, 5 × 4 ins. Closing Style, 3 × 2½ ins. Posts 9 ins. and 8 ins. square. 5 ft. high.
No. **3569**. Varnished Oak Gate and Posts .. .. **£10 16 0** per set.
No. **3570**. Ditto without Posts .. .. **7 0 0** ,,

GALVANIZED WIRE NETTING.





GROSS PRICES. PER ROLL OF 50 YARDS.
DISCOUNT QUOTED ON APPLICATION.

Mesh.	Gauge.	12 Ins. Wide.	18 Ins. Wide.	24 Ins. Wide.	30 Ins. Wide.	36 Ins. Wide.	42 Ins. Wide.	48 Ins. Wide.	60 Ins. Wide.	72 Ins. Wide.	Gauge.	Mesh.
		s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		
½ inch.	22	13 3	0 19 11	1 6 6	1 13 2	1 19 9	2 6 5	2 13 0	3 6 4	3 19 6	22	½ inch.
	20	16 0	1 4 0	1 12 0	2 0 0	2 8 0	2 16 0	3 4 0	4 0 0	4 16 0	20	
	19	18 9	1 8 2	1 17 6	2 6 11	2 16 3	3 5 8	3 15 0	4 13 10	5 12 6	19	
⅝ inch.	22	10 0	0 15 0	1 0 0	1 5 0	1 10 0	1 15 0	2 0 0	2 10 0	3 0 0	22	⅝ inch.
	20	12 5	0 18 8	1 4 9	1 11 0	1 17 2	2 3 4	2 9 6	3 2 0	3 14 4	20	
	19	15 0	1 2 6	1 10 0	1 17 6	2 5 0	2 12 6	3 0 0	3 15 0	4 10 0	19	
¾ inch.	20	8 0	0 12 0	0 16 0	1 0 0	1 4 0	1 8 0	1 12 0	2 0 0	2 8 0	20	¾ inch.
	19	10 3	0 15 5	1 0 6	1 5 8	1 10 9	1 15 11	2 1 0	2 11 4	3 1 6	19	
	18	12 0	0 18 0	1 4 0	1 10 0	1 16 0	2 2 0	2 8 0	3 0 0	3 12 0	18	
1 inch.	20	6 5	0 9 7	0 12 9	0 16 0	0 19 2	1 2 4	1 5 6	1 11 11	1 18 3	20	1 inch.
	19	7 3	0 10 11	0 14 6	0 18 2	1 1 9	1 5 5	1 9 0	1 16 3	2 3 6	19	
	18	8 9	0 13 2	0 17 6	1 1 11	1 6 3	1 10 8	1 15 0	2 3 9	2 12 6	18	
	17	12 6	0 18 9	1 5 0	1 11 3	1 17 6	2 3 9	2 10 0	3 2 6	3 15 0	17	
	16	16 9	1 5 2	1 13 6	2 1 11	2 10 3	2 18 8	3 7 0	4 3 9	5 0 6	16	
1¼ inch.	19	5 9	0 8 8	0 11 6	0 14 5	0 17 3	1 0 2	1 3 0	1 8 9	1 14 6	19	1¼ inch.
	18	7 0	0 10 6	0 14 0	0 17 6	1 1 0	1 4 6	1 8 0	1 15 0	2 2 0	18	
	17	9 5	0 14 1	0 18 9	1 3 6	1 8 2	1 12 10	1 17 6	2 6 11	2 16 3	17	
	16	12 6	0 18 9	1 5 0	1 11 3	1 17 6	2 3 9	2 10 0	3 2 6	3 15 0	16	
1½ inch.	19	4 9	0 7 2	0 9 6	0 11 11	0 14 3	0 16 8	0 19 0	1 3 9	1 8 6	19	1½ inch.
	18	5 9	0 8 8	0 11 6	0 14 5	0 17 3	1 0 2	1 3 0	1 8 9	1 14 6	18	
	17	7 3	0 10 11	0 14 6	0 18 2	1 1 9	1 5 5	1 9 0	1 16 3	2 3 6	17	
	16	9 6	0 14 3	0 19 0	1 3 9	1 8 6	1 13 3	1 18 0	2 7 6	2 17 0	16	
2 inch.	19	3 6	0 5 3	0 7 0	0 8 9	0 10 6	0 12 3	0 14 0	0 17 6	1 1 0	19	2 inch.
	18	4 5	0 6 7	0 8 9	0 11 0	0 13 2	0 15 4	0 17 6	1 1 11	1 6 3	18	
	17	5 11	0 8 10	0 11 9	0 14 9	0 17 8	1 0 7	1 3 6	1 9 5	1 15 3	17	
	16	7 6	0 11 3	0 15 0	0 18 9	1 2 6	1 6 3	1 10 0	1 17 6	2 5 0	16	
	15	9 3	0 13 11	0 18 6	1 3 2	1 7 9	1 12 5	1 17 0	2 6 3	2 15 6	15	
	14	12 0	0 18 0	1 4 0	1 10 0	1 16 0	2 2 0	2 8 0	3 0 0	3 12 0	14	
2½ inch.	19	3 2	0 4 9	0 6 4	0 7 11	0 9 6	0 11 1	0 12 8	0 15 10	0 19 0	19	2½ inch.
	18	3 11	0 5 10	0 7 9	0 9 9	0 11 8	0 13 5	0 15 7	0 19 6	1 3 4	18	
	17	5 2	0 7 9	0 10 4	0 12 11	0 15 6	0 18 1	1 0 8	1 5 10	1 11 0	17	
	16	6 6	0 9 9	0 13 0	0 16 3	0 19 6	1 2 9	1 6 0	1 12 6	1 19 0	16	
	15	8 0	0 12 0	0 16 0	1 0 0	1 4 0	1 8 0	1 12 0	2 0 0	2 8 0	15	
3 inch.	19	2 11	0 4 4	0 5 9	0 7 3	0 8 8	0 10 1	0 11 6	0 14 5	0 17 3	19	3 inch.
	18	3 5	0 5 1	0 6 9	0 8 6	0 10 2	0 11 10	0 13 6	0 16 11	1 0 3	18	
	17	4 5	0 6 7	0 8 9	0 11 0	0 13 2	0 15 4	0 17 6	1 1 11	1 6 3	17	
	16	5 6	0 8 3	0 11 0	0 13 9	0 16 6	0 19 3	1 2 0	1 7 6	1 13 0	16	
	15	6 6	0 9 9	0 13 0	0 16 3	0 19 6	1 2 9	1 6 0	1 12 6	1 19 0	15	
	14	7 11	0 11 10	0 15 9	0 19 9	1 3 8	1 7 7	1 11 6	1 19 5	2 7 3	14	

Widths less than 12 inches charged as 12 inches.

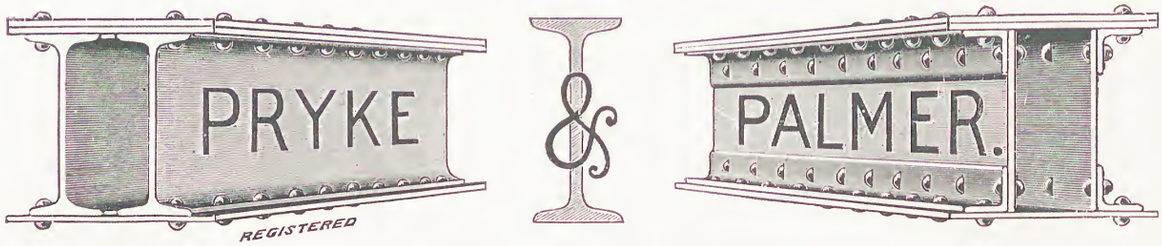
GALVANIZED WIRE SHEEP NETTING WITH 3-PLY SELVAGES.

Mesh.	Gauge.	36 ins. wide.	42 ins. wide.	48 ins. wide.	Mesh.	Gauge.	36 ins. wide.	42 ins. wide.	48 ins. wide.
		£ s. d.	£ s. d.	£ s. d.			£ s. d.	£ s. d.	£ s. d.
3 inch.	16	0 16 6	0 19 3	1 2 0	4 inch.	17	0 11 0	0 12 10	0 14 8
	15	1 0 0	1 3 4	1 6 8		16	0 12 6	0 14 7	0 16 8
	14	1 4 6	1 8 7	1 12 8		15	0 15 9	0 18 5	1 1 0
	13	1 9 0	1 13 10	1 18 8		14	0 19 0	1 2 2	1 5 4
						13	1 3 0	1 6 10	1 10 8
						12	1 11 6	1 16 9	2 2 0

Centre Strand 16 and 15 Gauges, **1/9** per roll extra.
,, 14 and 13 ,, **2/-** ,,
,, 12 ,, **2/6** ,,

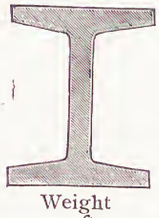
Orders of 60/- nett value and upwards Carriage Paid from Works.

JOISTS, ANGLES, TEES, &c.



LONDON STOCK SIZES.

STEEL JOISTS.



Section.	Weight per ft.	Lengths.
3 in. × 3 in.	× 8½ lb.	10 ft. to 30 ft.
4 ,, × 3 ,,	× 9½ ,,	,, ,,
5 ,, × 3 ,,	× 11 ,,	,, ,,
5 ,, × 4½ ,,	× 18 ,,	,, ,,
6 ,, × 5 ,,	× 24½ ,,	,, ,,
7 ,, × 4 ,,	× 17 ,,	,, ,,
8 ,, × 4 ,,	× 18 ,,	,, ,,
8 ,, × 5 ,,	× 28 ,,	,, ,,
8 ,, × 6 ,,	× 35 ,,	10 ft. to 36 ft.
9 ,, × 4 ,,	× 21 ,,	,, ,,
9 ,, × 7 ,,	× 58 ,,	,, ,,
10 ,, × 5 ,,	× 30 ,,	,, ,,
10 ,, × 6 ,,	× 42 ,,	,, ,,
12 ,, × 6 ,,	× 44 ,,	,, ,,
14 ,, × 6 ,,	× 46 ,,	,, ,,

STEEL ANGLES.



Section.	Weight per ft.	Lengths.
1½ in. × 1½ in. × ¼ in. ×	2½ lb.	16, 18, 20 ft.
2 ,, × 2 ,, × 5/16 ,, ×	4 ,,	16 ft. to 30 ft.
2½ ,, × 2½ ,, × ⅜ ,, ×	5¾ ,,	,, ,,
3 ,, × 3 ,, × ⅜ ,, ×	7 ,,	,, ,,
3 ,, × 3 ,, × ½ ,, ×	9¼ ,,	,, ,,
3½ ,, × 3½ ,, × ⅝ ,, ×	8¼ ,,	,, ,,
3½ ,, × 3½ ,, × ½ ,, ×	10¾ ,,	,, ,,
4 ,, × 4 ,, × ½ ,, ×	9½ ,,	,, ,,
4 ,, × 4 ,, × ½ ,, ×	12½ ,,	,, ,,
5 ,, × 3 ,, × ½ ,, ×	12½ ,,	,, ,,
5 ,, × 3½ ,, × ½ ,, ×	13½ ,,	,, ,,
5 ,, × 5 ,, × ½ ,, ×	16 ,,	,, ,,
6 ,, × 3 ,, × ⅝ ,, ×	14¼ ,,	,, ,,
6 ,, × 6 ,, × ⅝ ,, ×	23¾ ,,	,, ,,
7⅞ ,, × 4 ,, × ⅝ ,, ×	23½ ,,	,, ,,

STEEL TEES.



Section.	Weight per ft.	Length.
1¼ in. × 1¼ in. × ¼ in. ×	1 5/16 lbs.	16, 18, 20 ft.
1½ ,, × 1½ ,, × ¼ ,, ×	2½ ,,	16, 18, 20 ft.
2 ,, × 2 ,, × 5/16 ,, ×	3½ ,,	16, 20, 30 ft.
2¼ ,, × 2¼ ,, × 5/16 ,, ×	4⅓ ,,	16, 20, 30 ft.
2½ ,, × 2½ ,, × ⅜ ,, ×	5¾ ,,	16 ft. to 30 ft.
3 ,, × 3 ,, × ⅜ ,, ×	7 ,,	,, ,,
3 ,, × 3 ,, × ½ ,, ×	9¼ ,,	,, ,,
3½ ,, × 3½ ,, × ⅜ ,, ×	8¼ ,,	,, ,,
3½ ,, × 3½ ,, × ½ ,, ×	10¾ ,,	,, ,,
4 ,, × 4 ,, × ½ ,, ×	9½ ,,	,, ,,
4 ,, × 4 ,, × ½ ,, ×	12½ ,,	,, ,,
4 ,, × 3 ,, × ⅜ ,, ×	8¾ ,,	,, ,,
5 ,, × 3 ,, × ½ ,, ×	12½ ,,	,, ,,
6 ,, × 3 ,, × ½ ,, ×	14¼ ,,	,, ,,

STEEL CHANNELS.



Section.	Weight per ft.	Lengths.
1⅛ in. × 1/16 in. ×	1¼ lb.	16 ft. to 20 ft.
1 9/16 ,, × ¼ ,, ×	2 ,,	,, ,,
2 ,, × 1⅛ ,, ×	3¾ ,,	,, ,,
3 ,, × 1⅜ ,, ×	7½ ,,	16 ft. to 30 ft.
4⅛ ,, × 2 9/16 ,, ×	10½ ,,	,, ,,
4⅝ ,, × 2 9/16 ,, ×	11½ ,,	,, ,,
6¼ ,, × 2½ ,, ×	12½ ,,	,, ,,
8 ,, × 3⅛ ,, ×	20½ ,,	,, ,,
9¼ ,, × 3½ ,, ×	22½ ,,	,, ,,
9⅞ ,, × 3⅛ ,, ×	22½ ,,	,, ,,
11⅞ ,, × 3⅛ ,, ×	26 ,,	,, ,,

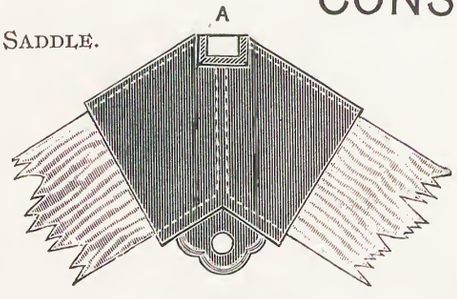
STEEL FLITCH PLATES, 16 ft. to 30 ft.

6 in. × ⅜ in. × 10 lb.	11 in. × ⅜ in. × 18⅓ lb.
7 ,, × 3/8 ,, × 11⅔ ,,	11 ,, × 5/8 ,, × 22 9/16 ,,
7 ,, × 5/8 ,, × 14⅔ ,,	11 ,, × ¾ ,, × 27½ ,,
8 ,, × ⅜ ,, × 10 ,,	12 ,, × ⅜ ,, × 15 ,,
8 ,, × ½ ,, × 13⅓ ,,	12 ,, × ½ ,, × 20 ,,
8 ,, × 5/8 ,, × 16⅔ ,,	12 ,, × 5/8 ,, × 25 ,,
9 ,, × ⅜ ,, × 11¼ ,,	12 ,, × ¾ ,, × 30 ,,
9 ,, × ½ ,, × 15 ,,	14 ,, × ⅜ ,, × 17½ ,,
9 ,, × 5/8 ,, × 18¾ ,,	14 ,, × ½ ,, × 23⅓ ,,
9 ,, × ¾ ,, × 22½ ,,	14 ,, × 5/8 ,, × 29¼ ,,
10 ,, × ½ ,, × 16⅔ ,,	16 ,, × ⅜ ,, × 20 ,,
10 ,, × 5/8 ,, × 20¾ ,,	16 ,, × ½ ,, × 26⅔ ,,
10 ,, × ¾ ,, × 25 ,,	18 ,, × ⅜ ,, × 22½ ,,
18 in. × ½ in. × 30 lb.	18 ft. to 36 ft.

QUOTATIONS ON RECEIPT OF SPECIFICATION.

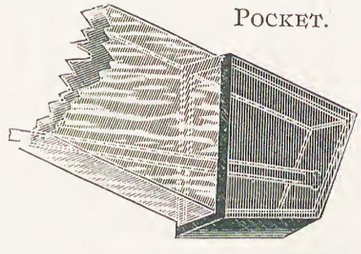
CONSTRUCTIONAL IRONWORK.

SADDLE.

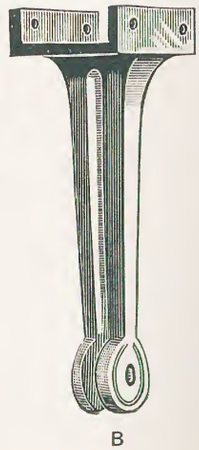


No. 3571.

POCKET.



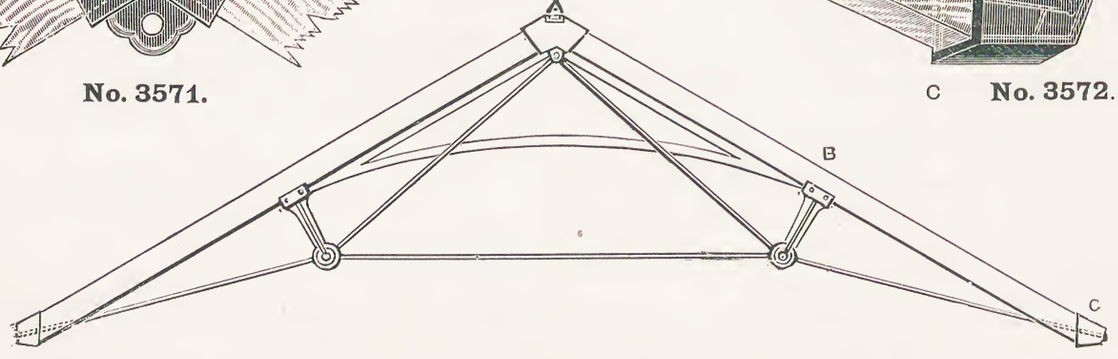
C **No. 3572.**



STRUT.

No. 3573

B



Estimates submitted for Roof principals on receipt of specification; also for Castings as drawings above, Saddle "A." Strut "B" and Pocket "C." Special Castings to Drawings or Patterns.

COMPOUND GIRDERS MADE TO ANY SPECIFICATION.

CAST IRON COLUMNS (various).

With Jaw for Beam.



No. **3574.**



No. **3575.**



No. **3576.**

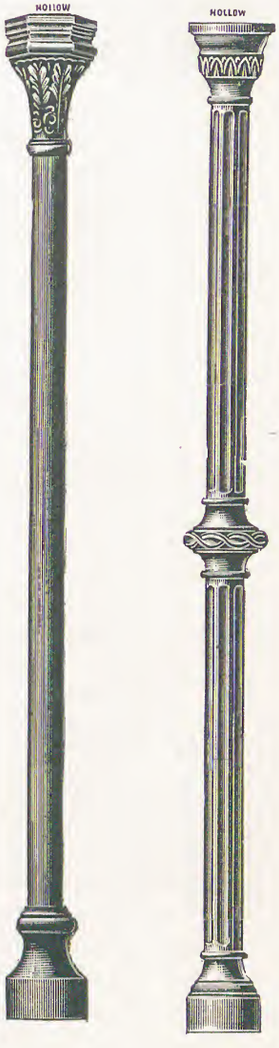


No. **3577.**

For Shop Front.

Sizes altered to suit.

BAY WINDOW.



No. **3578.** No. **3579**

Lengths	8	9	10	10	11	12	12	13	14	ft.
Diameters	3	4	4	6	6	6	8	8	8	ins.
Metal	½	⅝	⅝	¾	¾	¾	1	1	1	in.
No. **3574.**	**15/6**	**25/3**	**29/-**	—	**52/3**	**56/6**	**95/6**	**103/6**	**111/3**	each.
No. **3575.**	—	—	—	**52/-**	**56/6**	—	**103/3**	**112/-**	—	,,
No. **3576.**	—	—	—	**51/-**	**55/6**	—	**101/3**	**109/-**	—	,,

No. **3577.** Cast Iron Columns for Shop Fronts.

Lengths	8	9	10	12	ft.
Prices	**42/9**	**50/6**	**59/6**	**67/6**	each.

BAY WINDOW COLUMNS.

No. **3578.**

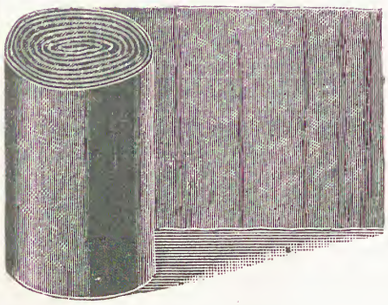
2½ ins. diameter ; Round Base, 6 ins. diameter.
Hexagon Capital, 7 ins. diameter.
Made from 6 ft. to 8 ft. 6 ins. long.
Average weight, 9 lb. per ft.
Price, 1/9 per ft.

No. **3579.**

2½ ins. diameter; Round Base, 5¼ ins. diameter.
Round Capital, 6¼ ins. diameter.
Made from 5 ft. to 8 ft. long.
Average weight, 14 lb per ft.
Price, 2/3 per ft.

FELT IN ROLLS.

32 inches wide. In 25 yard rolls.



No. **3580.**
Black Sheathing.
4/9 per roll.

No. **3581**
Sarking or Light Roofing.
6/- per roll.

No. **3582.** No. **3583.**
Inodorous.
Best. 2nd Quality.
8/- **6/-**
per roll.

No. **3584.**
Best Roofing.
8/- per roll.

CARRIAGE PAID ON LOTS OF SIX ROLLS AND OVER.

No. **3585.**
Non-Conducting Dry Hair Felt.

		Per Sheet.	No. of Sheets per Bale.
No. 1	16 ozs.	**9½d.**	No. 1..100
,, 2	24 ,,	**1/-**	,, 2.. 50
,, 3	32 ,,	**1/3**	,, 3 50
,, 4	40 ,,	**1/5**	,, 4.. 50
,, 5	48 ,,	**1/8**	,, 5.. 50

Sheets are 34×20 inches.
Special Prices for complete Bales.

Extra Quality Pliable Mastic Damp Course.
No. **3586.**

	Per yard.		Per yard.
4½ inches wide	**1½d.**	23 inches wide	**8½d.**
9 ,,	**3d.**	30 ,,	**9½d.**
14 ,,	**5d.**	36 ,,	**10½d.**
18 ,,	**5½d.**		

In rolls of 15 yards long.

Fibrous Asphalte Damp Course or Foundation Felt in Slabs.
No. **3587.**

	Each.		Each.
4½×32 inches	**2d.**	24×32 inches	**9½d.**
9 ×32 ,,	**3½d.**	27×32 ,,	**10d.**
14×32 ,,	**5½d.**	30×32 ,,	**11½d.**
18×32 ,,	**6¾d.**	36×32 ,,	**1/2**
23×32 ,,	**9d.**		

WIRE WOVE ROOFING.

No. **3588.**
"Duroline" supplied only in Sheets.
10 ft.×4 ft. 10 ft.×2 ft. 5 ft.×4 ft. 5ft.×2 ft.
Price 9½d. per square foot.

No. **3589.**
"Carboline" supplied in Special Lengths of from 5 to 30 ft. × 2 ft. and 4 ft. wide.
Price 4½d. per square foot.

DUROLINE is a Translucent Glazing Material, a non-conductor, and the only practicable substitute for Glass. It is unbreakable, flexible, ornamental, exceedingly strong and durable, and will stand extremes of heat and cold. It weighs 6½ ounces to the square foot.

CARBOLINE is a wire-wove opaque Roofing Material, is a non-conductor, and is an excellent substitute for Slates, Galvanized Iron, Tiles, Lath and Plaster Ceilings, &c.—It can be painted in any colour, and is admirably adapted for use on structures where light is not required.—It weighs 8 ounces to the square foot.

WILLESDEN ROOFING.

No. **3590.**
For Lining Damp Walls.

	22	29	59 ins. wide.
1 ply L.G. 1.80 ..	**4d.**	**5½d.**	**10½d.**
1 ply Drab Sealing	—	**2½d.**	**5d.**

per yard run.

No. **3591.**
For Underlining Slates and Tiles.

2 ply B. 1 80 60 ins. wide **1/6** per yd. run
2 ply B. 1.120 ,, **2/3** ,,

2 ply B. 1.120 is an extra stout material.

No. **3592.**
For Electrical purposes.

1 ply B. 1.80	60 ins. wide	**9d.** per yd. run.
1 ply B. 1.120	,,	**1/2** ,,
2 ply B. 1.80	,,	**1/6** ,,
2 ply B. 1.120	,,	**2/3** ,,
4 ply B. 1.80	,,	**3/3** ,,

No. **3593.**
For Lining Refrigerating Chambers.

1 ply B. 1.80	Paper 60 ins. wide		**9d.** per yard run.
1 ply B. 1.120	,, 60	,,	**1/2** ,,
1 ply L.G. 1.80	,, 59	,,	**10½d.** ,,

These Papers are specially recommended as being most suitable for this purpose by the Patentees.

No. **3594.**
For Roofing.
4 ply for small structures, such as Garden Sheds, Verandahs, Cycle Houses, &c , and where the roof span does not exceed about 20 feet.
19 ins. wide for Rafters spaced 16 ins. apart, Centre to Centre .. .. **1/-** per yard run.
60 ins. wide for Rafters spaced 19 ins. apart, Centre to Centre .. .. **3/3** ,,

There are many other uses for Willesden Papers, but the above are the principal.

Samples of these Papers may be had on application, giving ply and number.

SILICATE COTTON OR SLAG WOOL.

No. **3595**. Loose Silicate Cotton .. **15/3** per cwt.
In ½ Ton Lots .. **£14 15 0** per ton. Carriage Paid.
In 1 Ton Lots .. **£13 7 6** „ „
Bags Extra but Returnable.

No. **3596**. Silicate Cotton Wire Net Felting.
1 in. thick .. .. **8**d. per square foot.
Carriage Paid. Packages Extra but Returnable.

No. **3597**. Silicate Cotton Yarn Woven Strips.
½ in. thick, 4 ins. wide, **10**d. per Lineal Yard. Carriage Paid.
Bags and Packages Extra but Returnable.

No. **3598**. Fibrous Plaster Slabs, Rapid and Fire Resisting system of plastering.
Price .. .. **1/8** per yard, super.

No. **3599**. Patent Hercules Fireproof Partition Blocks.
2½ ins. thick, smooth on both sides, **8**/- per yard, super.
No. **3600**. Do., Rough Key on both sides, **7**/- per yard, super.
Special prices for large quantities.

ASBESTOS COVERING FOR STEAM OR HOT OR COLD WATER PIPES.

This Covering, made from a specially prepared Asbestos Wool, has many novel features to recommend it. It is more easily and rapidly applied, removed and re-fixed than any other form of Covering, the method of dealing with elbows, bends, &c., being particularly simple and effective. It is at the same time very cheap.

The Covering is suitable for hot or cold water or steam pipes in any position, and is neater in appearance than anything of the kind yet offered.

No. **3601**.

Outside diameter of pipes,	2	2½	3	3½	4	5	6 in.
Per 10 ft. run of pipes,	**8/-**	**10/-**	**11/3**	**13/3**	**15/3**	**18/9**	**22/3**

Bends 25 per cent. extra.

ASBESTOS NON-CONDUCTING COMPOSITION.

This is the most efficient covering for boilers, pipes or other surfaces from which it is necessary to prevent radiation of heat.

It frequently saves 25 °/₀ to 40 °/₀ in the consumption of fuel, it is easily applied and lasts for years unimpaired. The covering capacity is greater than that of any other, weight for weight.

Made in two qualities.

No. **3603**. .. .. **13/3** per cwt.
„ **3604**. .. .. **12/6** „
„ **3605**. "Set-Hard," for mixing with the Composition to render it impervious to moisture and practically unbreakable, **3/9** per gallon.

Estimates for work finished complete will be Furnished on receipt of particulars.

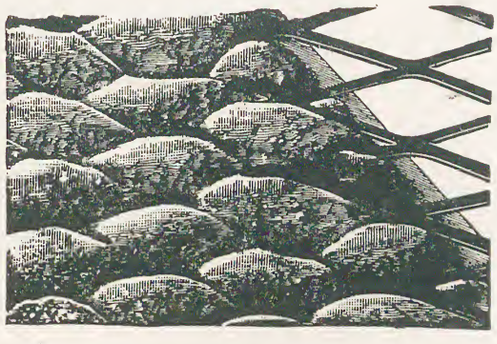
IMPROVED FLEXIBLE "MASTIC" DAMP COURSE.

	4½	9	12	14	18 ins.
No. **3606**. ..	**11**d.	**1/10**	**2/9**	**3/3**	**3/8**
„ **3607**. ..	**1/5**	**2/9**	**3/8**	**4/2**	**5/6**
„ **3608**. ..	**1/10**	**3/8**	**4/7**	**5/6**	**7/4**

Per roll of 11 yards.

PLASTERERS' HAIR.

No **3609**. Ordinary quality Hair .. .. **11/3** per cwt.
„ **3610**. Best selected Goat Hair .. .. **16/9** „
„ **3611**. Long Washed Cow Hair .. .. **12/9** „
Special prices for 1 Ton Lots and upwards.



EXPANDING METAL LATHING.

Fireproof Lathing stocked in sheets as follows:—

8 ft. Longway of Mesh × 2 ft. 3 ins. Shortway of Mesh.
7 ft. „ „ × 2 ft. „ „
6 ft. „ „ × 2 ft. „ „

Prices.

No. **3612**. ⅜ in. Mesh, 24 G Painted one coat Red Oxide Paint .. .. **1/4** per super yard.
„ **3613**. ¼ in. „ 24 G „ „ „ .. .. **1/4** „ „
„ **3614**. ⅜ in. „ 24 G Galvanized .. .. **2/3** „ „
„ **3615**. ¼ in. „ 24 G „ .. .. **2/3** „ „

Expanded Steel for all kinds of purposes can be supplied in ¼, ⅜, ¾, 1½, 3, and 6 in. Mesh, and Full List of sizes can be sent on application.

CARPENTERS' TOOLS.

BRADAWLS.



No. **3616.** Polished Oval Handles.

Assorted	**2/-**	per doz.
Bradawls with pinned through tangs	**2/6**	,,
Blades only, assorted	**9d.**	,,
No. **3617.** Flooring Awls	**3/3**	,,

GIMLETS.



No. **3618**, "Shell," or No. **3619**, "Twist."

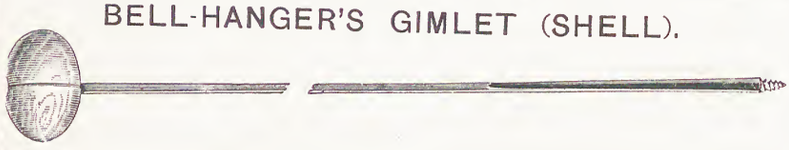
Good Quality, assorted	**1/9**	per doz.
Warranted Square Shoulder, assorted	**3/-**	,,

AUGER GIMLETS.



No. **3620.**
Boxwood Heads, Bright Square Shoulders, Warranted Quality, assorted, $\frac{1}{8}$ to $\frac{1}{2}$ in.
5/6 per dozen.

BELL-HANGER'S GIMLET (SHELL).



No. **3621.** Best Quality, with Boxwood Heads.

Sizes	18	24	30 ins.
$\frac{1}{4}$ in.	**9d.**	**1/-**	**1/6** each.
$\frac{5}{16}$ in.	**11d.**	**1/3**	**1/9** ,,

CABINET TURNSCREW.



No. **3622.** Beechwood Handles.

Sizes,	4	6	8	10	12 ins.	
No. **3622.**	**10/-**	**14/6**	**20/-**	**26/6**	**35/-**	per doz.
No. **3623.** Through Tanged	**11/-**	**16/-**	**21/-**	**29/-**	**38/-**	,,

OVAL HANDLE TURNSCREW.



No. **3624.** New Pattern.
Beechwood Handles, Steel Ferrules.
Assorted 2 in. to 4 in. Blades.
Price, 7/6 per dozen.

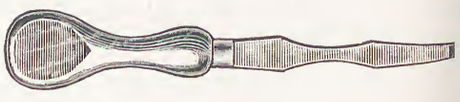
SPINDLE TURNSCREWS.



No. **3625.**
Best Quality, Beechwood Handles.

Sizes,	4	6	8	10	12 ins.
Price,	**5/-**	**5/6**	**6/6**	**7/6**	**8/-** doz.

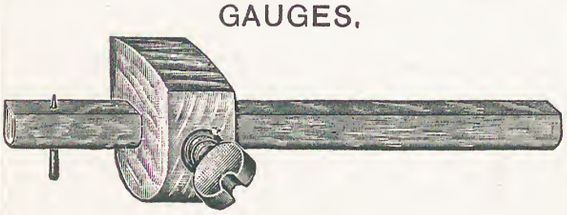
LONDON TURNSCREWS.



No. **3626.**
Cast Steel. Bright. Beechwood Handles.

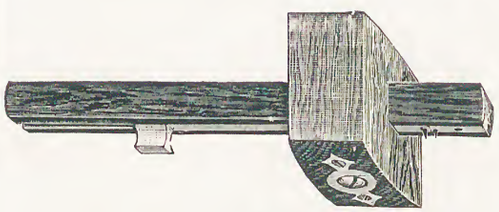
Sizes,	4	6	8	10	12 ins.	
No. **3626.** **Price,**	**7/6**	**11/-**	**15/6**	**21/-**	**27/-**	doz.
No. **3627.** Through Tanged	**8/6**	**11/9**	**16/6**	**22/6**	**29/6**	doz.

GAUGES.



No. **3628.**
Marking Gauge. Beechwood, Plated, **10d.** each.
No. **3629.**
Cutting Gauge. Plated, Beechwood, **1/-** ,,

MORTICE GAUGE.



No. **3630.**
Rosewood. Brass Slide.
2/3 each.

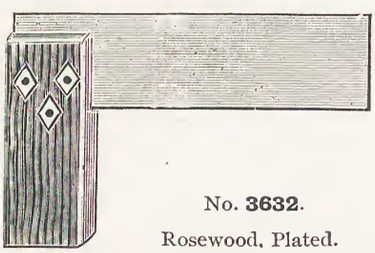
MORTICE GAUGE.



Thumbscrew end.

No. **3631.**
Rosewood. Thumbscrew Slide
3/6 each.

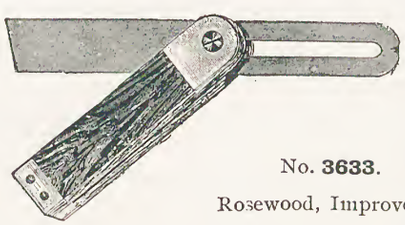
SQUARES.



No. **3632.**
Rosewood, Plated.

Sizes,	$4\frac{1}{2}$	6	$7\frac{1}{2}$	9	12 ins.
Price,	**1/6**	**1/9**	**2/3**	**2/6**	**3/3** each.

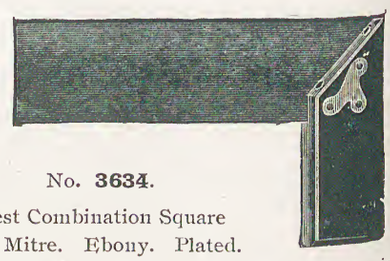
BEVEL.



No. **3633.**
Rosewood, Improved.

Sizes,	$7\frac{1}{2}$	9	$10\frac{1}{2}$	12 ins.
Price,	**2/6**	**2/9**	**3/3**	**3/6** each.

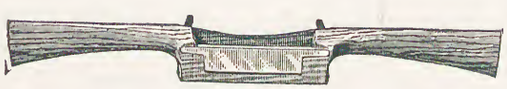
SQUARE AND MITRE.



No. **3634.**
Best Combination Square and Mitre. Ebony. Plated.

Sizes,	$4\frac{1}{2}$	6	$7\frac{1}{2}$	9	$10\frac{1}{2}$	12 ins.
Price,	**2/6**	**3/-**	**3/3**	**4/-**	**4/3**	**5/3** each.

SPOKESHAVES.



Sizes,	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$ ins.
No. **3635.** Beechwood	**1/-**	**1/1**	**1/3**	**1/4** each.
No. **3636.** Boxwood..	**1/4**	**1/6**	**1/9**	**2/-** ,,

Can be supplied with Convex or Concave Irons, prices on application giving requirements.

DRAWING KNIFE.

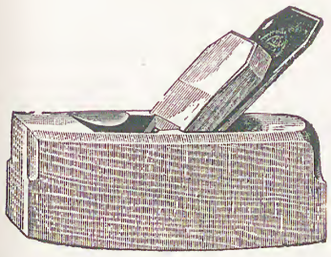


No. **3637.** Cast Steel.
Drawing Knives Handled.
(Carpenters'.)

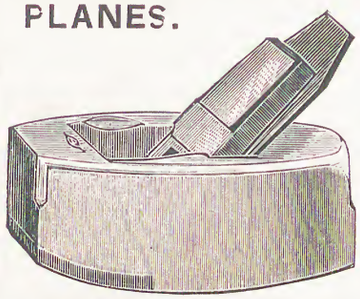
Sizes ..	8	10	12	14 ins.
Prices ..	**2/-**	**2/3**	**2/9**	**3/3** each.

BEST BEECHWOOD PLANES (various).

SMOOTHING PLANES.



No. 3638. Double Irons, Brass Nutted.
Sizes, 2 2¼ 2½ ins.
4/- 4/6 5/9 each.



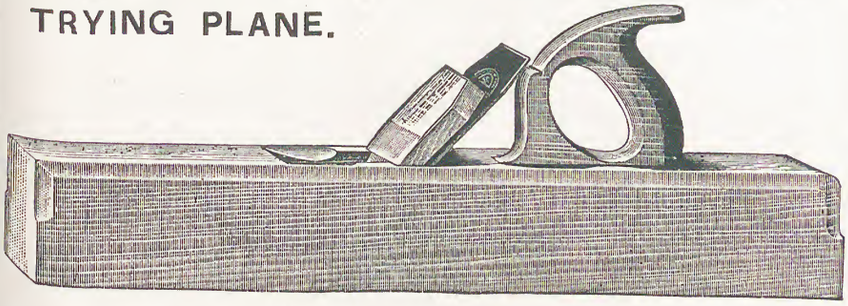
No. 3639. Double Irons and Brass Nutted, with Iron Fronts, 2½ in., **12/9** each.
No. 3640. Ditto. with Solid Iron Face, **12/9** each

JACK PLANE.



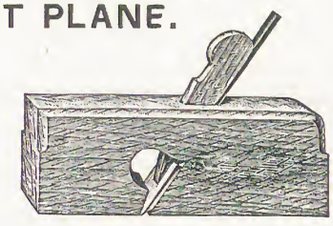
No. 3641. Double Irons.
Sizes, 17 ins. long × 2¼, 2½ ins
Prices—5/9 7/- each.

TRYING PLANE.



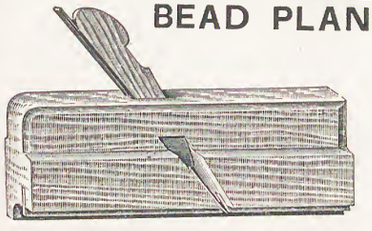
No 3642. Double Irons, 2⅜ ins.
Lengths, 22 24 26 ins.
Price—7/6 7/9 8/6 each.

RABBET PLANE.



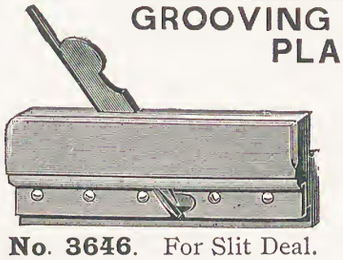
No. 3643. Skew Rabbet.
Up to 1¼ in. .. **3/-** each.
1⅛ „ .. **3/3** „
1½ „ .. **3/6** „

BEAD PLANE.



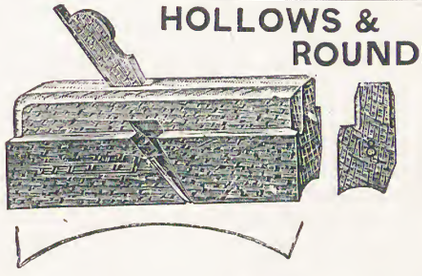
No. 3644. Boxed, to ⅝ in. **3/-** each.
„ **3645.** Slipped, to ⅝ in. **3/6** „
Every ⅛ in. larger **3½d.** extra on above.

GROOVING PLANE.



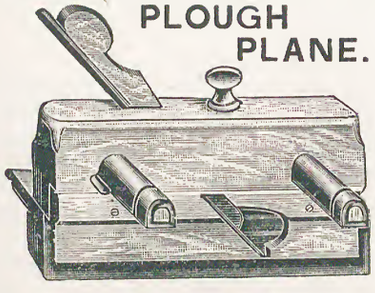
No. 3646. For Slit Deal.
Up to ¾ ⅞ 1 in.
6/9 7/- 7/3 per pair.

HOLLOWS & ROUNDS.



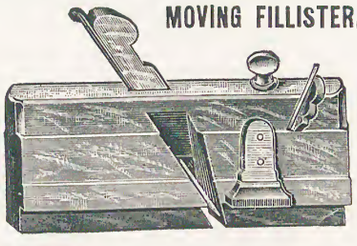
No. 3647. To No. 15 or 1⅛ in., **5/3** per pair.
Half Set of 9 pairs, **48/-** lot.
Full „ 18 „ **96/-** „

PLOUGH PLANE.



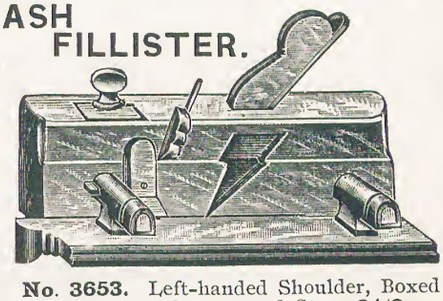
No. 3648. Screw Stop, 8 Irons, **18/-** each.
„ **3649.** Ditto. Capped Stems, **19/9** „
„ **3650.** Ditto. Improved Stop Extra work on Fence **23/-** „

MOVING FILLISTER.



No. 3651. Brass Slip, Stop and Forked Tooth .. **12/-** each.
„ **3652.** Ditto. with Improved Fence, as drawn .. **13/-** „

SASH FILLISTER.

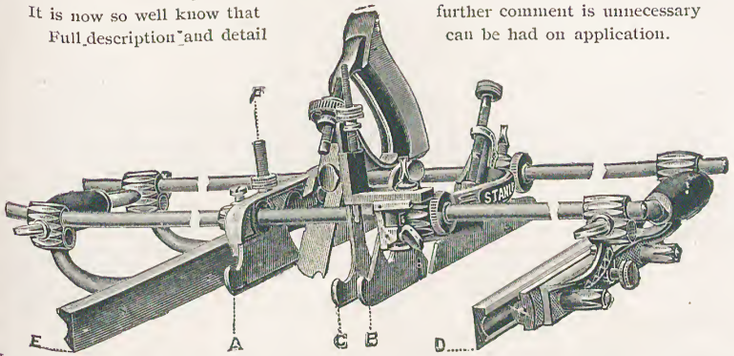


No. 3653. Left-handed Shoulder, Boxed Forked Tooth and Improved Stop, **21/6** each.
No. 3654. Ditto, Box Fence, **22/6** each.

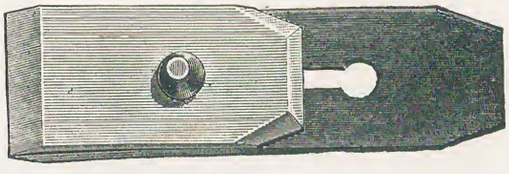
STANLEY'S PATENT UNIVERSAL PLANE.

This Tool in the hands of an ordinary carpenter, can be used for all lines of work covered by a full assortment of so-called Fancy Planes.

It is now so well know that further comment is unnecessary
Full description and detail can be had on application.



No. **55.** Stanley's Universal Plane, with 52 Tools, Bits, &c., **Price—72/6** each.



No **3656.** Double Plane Irons.
Sizes, 2 2¼ 2½ ins.
Prices—18/6 22/6 25/- dozen.

No. **3655.** Single Cut Plane Irons.
Sizes, 2 2¼ 2½ ins.
Prices—10/6 12/6 14/6 dozen.

AMERICAN IRON PLANES OF EVERY DESCRIPTION.

HAMMERS (various).

EXETER HAMMER.



Nos. 1 2 3 4 5 6 7 8
Price 10d **1/- 1/1 1/3 1/4 1/6 1/9 2/-** each.

WARRINGTON HAMMER.



Nos. 1 2 3 4 5 6
Price 10d. **11**d. **1/- 1/2 1/4 1/6** each.

CANTERBURY HAMMER.



Nos. 1 2 3 4 5 6
Price 1/3 1/6 1/9 2/- 2/2 2/3 each.

PIN HAMMER.



Weight complete, 5 ozs.
Ball or Straight Pean Pin Hammer.

No. **3657**. Ball Pean .. .. **15/6** per dozen.
No. **3658**. Straight Pean .. .. .. **15/6** ,,

BRIGHT LATH HAMMER.



Nos. 1 2 3 4
Price 1/7 1/9 2/- 2/6 each.

BRICKLAYERS' HAMMER.



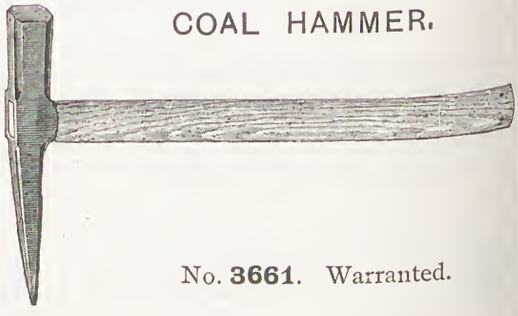
No. **3659**.
About 2½ lb.
Price 2/3 each.

SLATERS' HAMMER.



No. **3660**.
With Claw.
Price 3/6 each.

COAL HAMMER.



No. **3661**. Warranted.

Weights 1 1½ 2 lb.
Price 1/- 1/3 1/6 each.

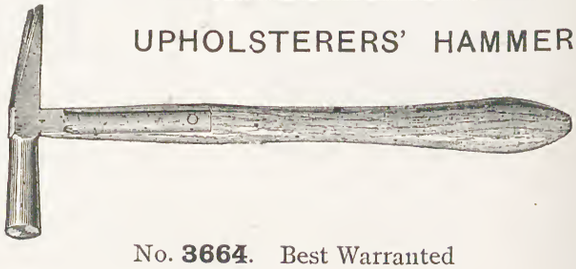
FARRIERS' HAMMER.



No. **3662**. Warranted.

	Sizes	10 oz.	12 oz.
No. **3662**.	Wrot Steel, Best Finish	**2/-**	**2/3** each.
No. **3663**.	Best Cast Steel, Best Finish	**2/9**	**3/-** ,,

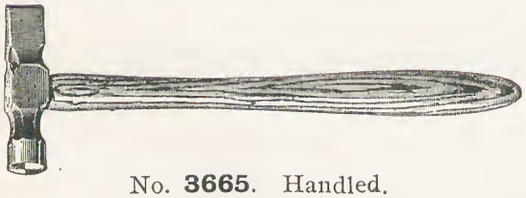
UPHOLSTERERS' HAMMER.



No. **3664**. Best Warranted

Sizes 0 1 2 3
Price 1/6 1/9 2/- 2/3 each.

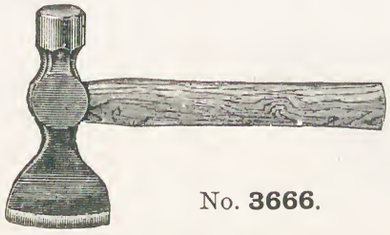
PLUMBERS' HAMMER.



No. **3665**. Handled.

Sizes 1 2 3 4 5 6
Price 1/2 1/4 1/7 1/9 2/- 2/3 each.

SCAFFOLD HAMMER.



No. **3666**.
Solid Steel, Handled.
Price 3/6 each.

GLAZIERS' HAMMER.



No. **3667**. As drawn **2/-** each
No. **3668**. Socket **2/6** ,,

HAMMER HEADS, MALLETS AND AXES.

ENGINEERS' HAMMER HEADS.

Under 1 lb. charged as 1 lb.



No. **3669.**
Ball Pean.

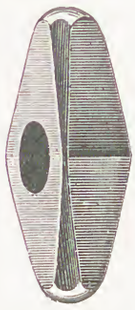


No. **3670.**
Cross Pean.
9½d. per lb.



No. **3671.**
Straight Pean.

STONEBREAKERS' HAMMER.



No. **3672.**
7d. per lb.
Stock sizes, 1, 1½ and 2 lbs.

BOILER CHIPPING HAMMER.



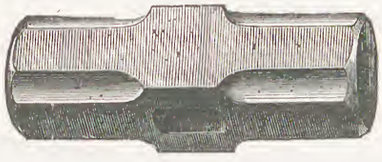
No. **3673.**—"Scaling."
9d. per lb.

MASONS' CLUB HAMMER.

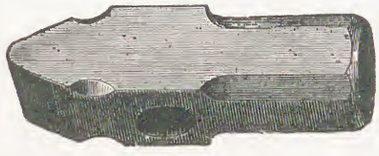


No. **3677.**
8d. per lb.

SLEDGE HAMMERS.

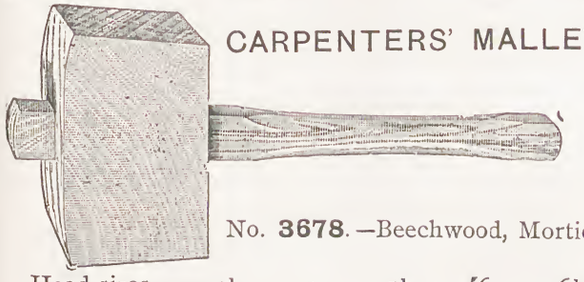


No. **3674.**—Double Faced.
6 lbs. and upwards. **5½**d. per lb.



No. **3675.**—Cross Pean. | No. **3676.** Straight Pean.
6 lbs. and upwards, **5½**d. per lb.

CARPENTERS' MALLETS.



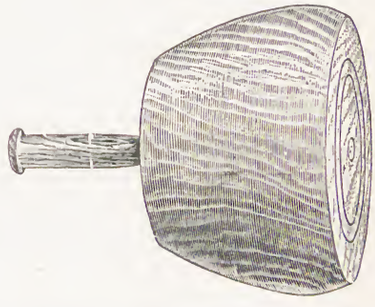
No. **3678.**—Beechwood, Morticed.

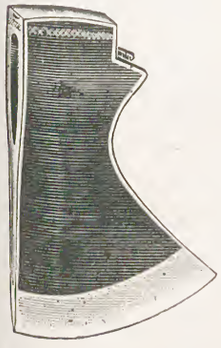
Head sizes	4½	5	5½	6	6½ ins.
Price ..	**1/4**	**1/6**	**1/9**	**2/-**	**2/3** each.

MASONS' MALLETS.

No. **3679.**—Beechwood.

Sizes	6	7	8 ins.
Price	**2/3**	**3/3**	**3/9** each.





No. **3680.**

FELLING AXE.

Solid Steel.

1/- per lb.

Handles extra, see page 740.



ADZE HEAD.

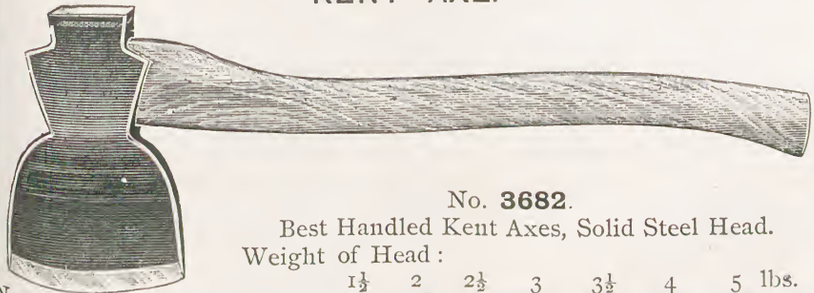
No. **3681.**

Best warranted Joiners' or House Carpenters' Steel Head Adzes.

Nos.	1	2	3	4
Price	**2/9**	**3/-**	**3/3**	**3/6** each.

Handles, **13/6** doz. extra.

KENT AXE.



No. **3682.**
Best Handled Kent Axes, Solid Steel Head.
Weight of Head :

	1½	2	2½	3	3½	4	5 lbs.
No. **3682.**—**Price** complete	**2/-**	**2/6**	**2/11**	**3/3**	**3/9**	**4/3**	**5/3** each.
No. **3683.**—Heads only ..	**1/3**	**1/9**	**2/2**	**2/6**	**3/-**	**3/4**	**4/3** ,,

KENT BILL HOOK.



No. **3684.**

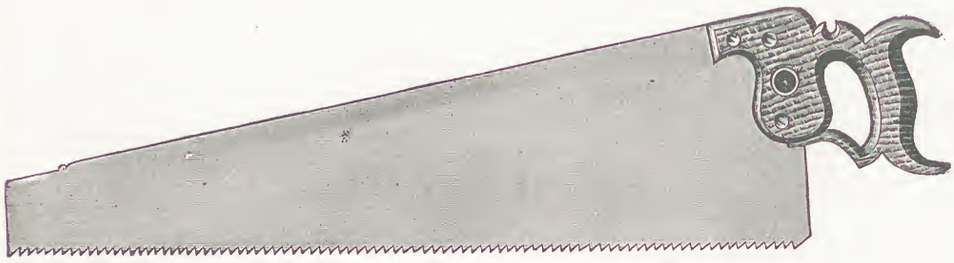
Nos.	1	2	3	4
Price	**2/6**	**2/9**	**3/-**	**3/3** each.

All shapes and sizes to order.

FOR HANDLES SEE PAGE 740.

SAWS (VARIOUS).

HAND SAWS.



Hand, Panel, or Rip Saws.

		Sizes 20	22	24	26	28 in.
No. **3685.**	Special Quality Best Steel	**3/-**	**3/6**	**4/-**	**4/3**	**4/6** each.
No. **3686.**	Best Warranted ..	**4/-**	**4/3**	**4/9**	**5/-**	**5/6** ,,
No. **3687.**	"Disstons" Straight Back	**5/9**	**6/6**	**6/9**	**7/3**	**8/6** ,,

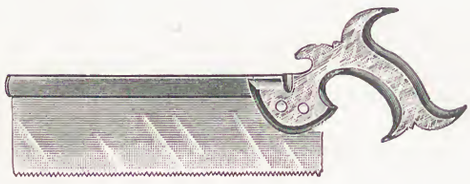
TENON SAWS.



No. **3689.**

		Sizes 10	12	14 in.
No. **3688.**	Special Quality Cast Steel, Iron Back ..	**3/-**	**3/3**	**3/6** ea.
No. **3689.**	do. warranted	**3/9**	**4/-**	**4/3** ,,
No. **3690.**	do. Brass Back warranted	**4/9**	**5/6**	**6/-** ,,

DOVETAIL SAWS



No. **3691.**

Cast Steel. Best Quality.

		Sizes 8	9	10 in.
No. **3691.**	Iron Back ..	**4/-**	**4/-**	**4/-** each.
No. **3692.**	Brass Back	**5/-**	**5/-**	**5/-** ,,

HACK SAW FRAMES AND BLADES.

Adjustable Frame.



No. **3693.**

Steel Frames. Nickel-plated.
Extension Frame holding from 3 to 12 in. Blades.
Price (without Blades) **6/-** each.

		Sizes 8	10	12 in.
No. **3694**	Iron Bow Saws complete	**Price, 4/-**	**4/6**	**5/-** each.
No. **3695.**	Hack Saw Blades	**3/-**	**3/3**	**4/3** **5/-** doz.

(10 in. 12 in.)

CAST STEEL COMPASS SAWS.



		Sizes 10	12	14 in.
No. **3696.**	Best Warranted	**1/6**	**1/7**	**1/8** each.
No. **3697.**	Special Cheap Warranted Quality	**1/-**	**1/2**	**1/4** ,,

PIT AND FRAME SAWS.



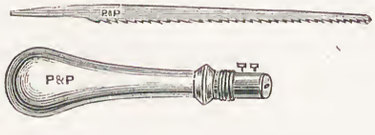
No. **3698.** Pit Saws. No **3699** Frame Saws.
Cast Steel. Pit and Frame Same Price.

Sizes 4	4½	5	5½	6	7	8	9	10 ft.
Price 11/3	**11/9**	**13/3**	**14/3**	**16/3**	**19/9**	**26/6**	**36/6**	**49/-** each.

Pit or Frame Saws exceeding 11 in. Heel **2/3** per in. extra.
Setting and Sharpening **1/6** each extra.

No. **3707.** Pit Saw Tiller and Box **2/-** the two.
No. **3708.** Tiller Ash Handles **10d.** per pair.

SAW PADS AND BLADES.



Large Pads.

No. **3700.** Rosewood **1/6** each.

No. **3701.** Boxwood **2/-** ,,

No. **3702.** Assorted Blades to 12 in. Best Quality **6/-** per doz.

CROSS CUT AND STONE SAWS, SAW PLATES, &c.



Sizes 4	4½	5	5½	6	7	8	9	10 ft.
No. **3703.** Cross Cut Saw **11/3**	**11/9**	**13/3**	**14/3**	**16/3**	**19/9**	**26/6**	**36/6**	**49/-** ea.

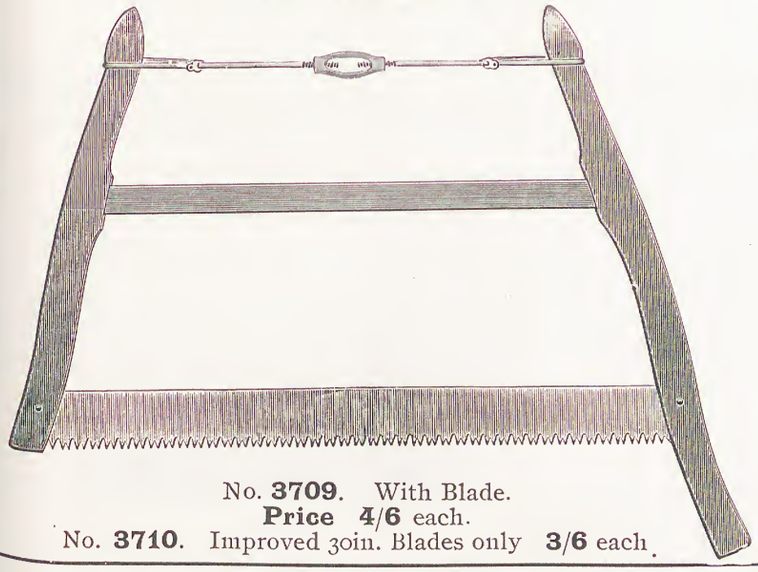
Width	9 in.		10 in.		11 in.		
Length	5	5½	6	6½	7	7½	8 ft.
No. **3704.** Cast Steel Stone Saw	**17/6**	**18/3**	**23/-**	**25/9**	**29/9**	**33/9**	**36/6** ea.

Lengths	5	5½	6	6½	7	8	9	10 ft
No. **3705.** Saw Plates ..	**2/9**	**2/9**	**3/3**	**3/6**	**3/9**	**4/-**	**4/6**	**5/-** each.

No. **3706.** Cross Cut Handles **8d.** per pair.

CIRCULAR AND BAND SAWS, SAW SETS, &c.

FRAMED WOOD SAWS.



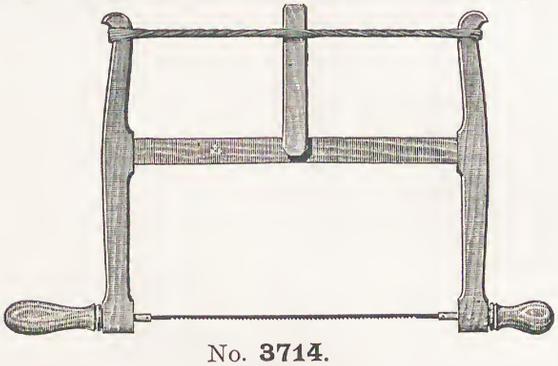
No. **3709**. With Blade.
Price 4/6 each.
No. **3710**. Improved 30in. Blades only **3/6** each.

SAW SET.



No. **3712**.¶ Bright, Strong, Hand Cut and Bored.
Price 6 Gate **8d.** 8 Gate **10d.** each.

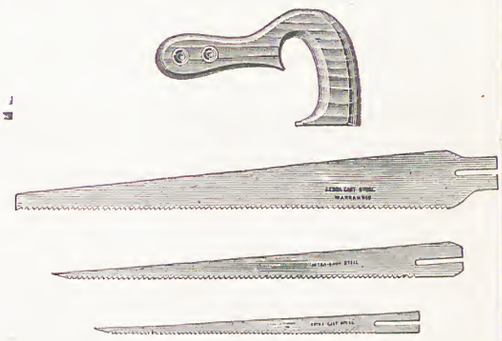
TURNING SAW AND FRAME.



No. **3714**.

	Sizes	10	12	14	16	18 ins.
No. **3714**.	Beech Handled	**4/-**	**4/6**	**4/9**	**5/9**	**6/6** each.
No. **3715**.	Box Handled	**4/6**	**5/-**	**5/3**	**6/3**	**7/3** „
No. **3716**.	Blades only	**4/-**	**4/6**	**5/9**	**6/9**	**8/9** doz.

INTER-CHANGEABLE SAW SET.

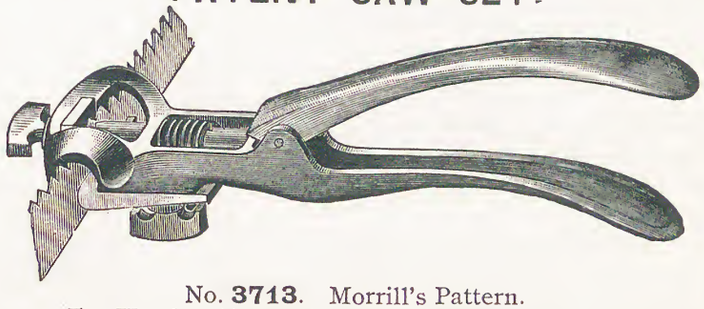


No. **3711**.

Price 3/6 per set.

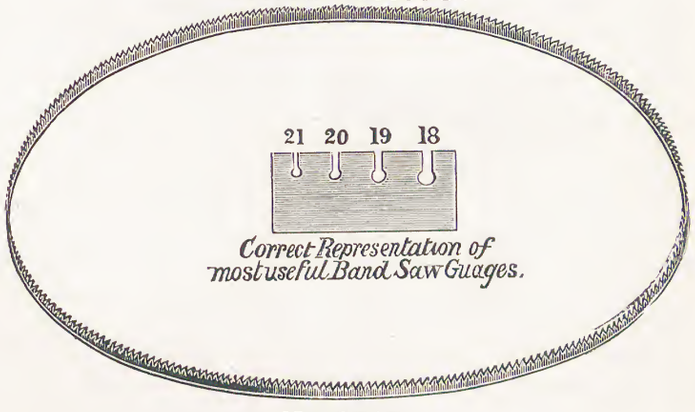
Consisting of one Handle, and one each Keyhole, Compass and Pruning Blade.

PATENT SAW SET.



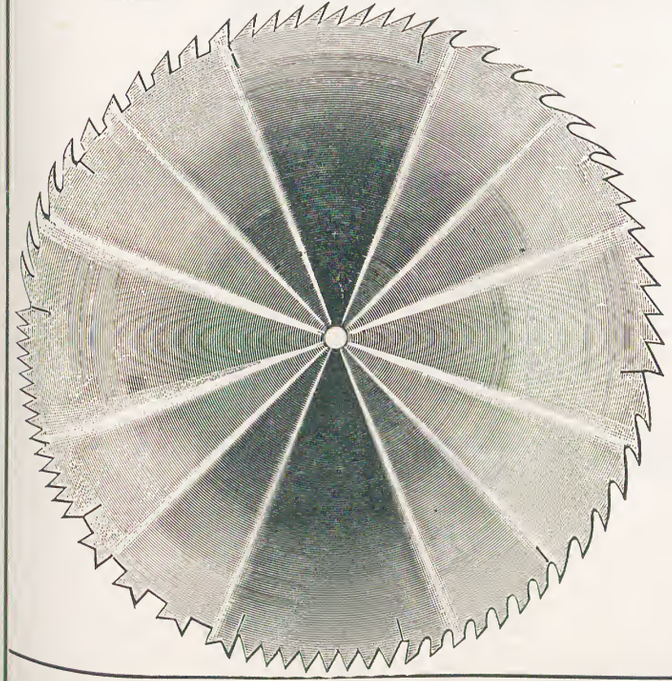
No. **3713**. Morrill's Pattern.
For Hand or Tenon Saws. **Price 2/3** each.

BAND SAWS.



No. **3717**.
Band Saws, Set and Sharpened ready for use.

Sizes to	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	2	2½	2½	3 ins.
Price	**4**d.	**4**d.	**4½**d.	**4½**d.	**5**d.	**6**d.	**7**d.	**8**d.	**10**d.	**1/1**	**1/3**	**1/6**	**1/10**. per foot.



No. **3718**.

BEST CAST-STEEL CIRCULAR SAWS.

Machine Ground, warranted true.

Diameter	4	4½	5	6	7	8	9	10	12 ins.
Gauge	22	22	21	20	19	19	18	18T	17
Price	**3/3**	**3/6**	**4/3**	**5/-**	**5/9**	**6/9**	**7/9**	**9/3**	**11/3** each.

Diameter	14	16	18	20	22	24	26	28	30	32 ins.
Gauge	17T	16	15	14	14T	13	13	12	12	12
Price	**12/6**	**15/-**	**18/9**	**22/6**	**26/3**	**30/-**	**35/-**	**40/9**	**47/6**	**55/-** each.

Diameter	34	36	38	40	42	44	46	48	50 ins.
Gauge	12T	11	11	11T	10E	10	9E	9	8
Price	**65/-**	**75/-**	**87/6**	**100/-**	**112/6**	**135/-**	**150/-**	**169/-**	**237/6** each.

CHISELS, PUNCHES, BORING MACHINES, &c.

C. S. FIRMER CHISELS.

Handled.



No. **3719.**

Sizes,	1/8	1/4	3/8	1/2	5/8 in.
	7/-	7/-	7/6	8/-	8/6 dozen.
Sizes,	3/4	1	1 1/4	1 1/2	2 in.
	9/-	10/6	13/9	16/6	23/6 dozen.

MORTICE CHISELS.

Cast Steel.



No. **3723.**

Sizes,	1/4	3/8	1/2	5/8	3/4 in.
Prices, Chisel only,	1/4	1/5	1/8	2/-	2/4 each

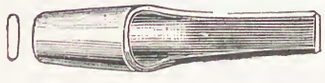
MASONS' CHISELS.



No. **3726.**

Price .. **1/3** per lb.

VENETIAN BLIND PUNCH.



No. **3729.**

Price .. **5/3** each.

C. S. FIRMER GOUGE.

Handled.



No. **3720.**

Sizes,	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2 in.
Prices,	7/9	8/3	9/-	10/3	11/9	15/9	19/- doz.

LOCK MORTICE CHISELS.

Tanged or Socket.



No. **3724.** Best Cast Steel.

Sizes,	1/2	0/16	5/8 in.
Prices,	3/-	3/3	3/6 each.

WAD PUNCH.



No. **3727.**

Sizes to	3/4	13/16	7/8	1	1 1/8	1 1/4	1 1/2 in.
Prices, 10d.	1/3	1/9	2/9	3/3	3/9	5/3 each.	

BRAD PUNCH.



No. **3730.**

Square or Round. **Price** .. **2/3** per doz.

C. S. LONG THIN PARING CHISELS.

Bevelled Edge.



No. **3722.**

Sizes, inches,	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
No. **3721.** **Prices** Ordinary,	7/6	7/9	8/6	10/9	14/-	19/-	23/-
No. **3722.** **Prices** Bevelled Edge,	13/6	13/9	14/6	16/9	20/-	28/-	32/- Dozen.

If Handled as drawn **4/-** per dozen extra.

COLD STEEL CHISELS. "OCTAGON."



No. **3725.**

3/4 in. diameter and larger .. **1/-** per lb.
Smaller sizes, **10/-** dozen.

SADDLERS' PUNCH.



No. **3728.** Improved Weldless Hollow Steel Band Punch for Saddlers and Mechanics.

	00	0	1 to 6	7	8	9	10	11 in.
	—	—	1/16 to 3/16	7/32	1/4	9/32	5/16	11/32
Price	6/-	5/6	4/9	5/6	6/-	6/6	8/-	9/6
	12	13	14	15	16	17	18	
	3/8	7/16	1/2	9/16	5/8	11/16	3/4 in.	
Price	11/3	12/9	14/6	16/9	19/6	24/-	29/-	Dozen.

TINMEN'S HOLLOW PUNCHES.

No. **3730a.**



Sizes,	1/16	3/16	7/16	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2 ins.
Prices,	2/2	2/2	2/3	2/3	2/6	3/-	3/4	3/10	4/9	5/6	6/4	7/6	13/6 each.

WOOD BORING MACHINES.

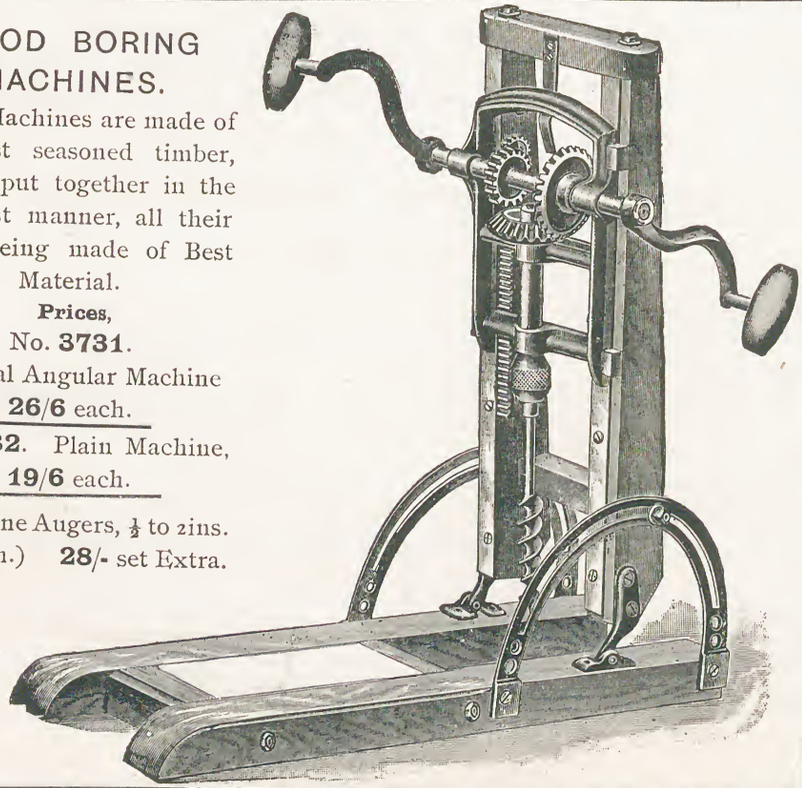
These Machines are made of the best seasoned timber, and are put together in the strongest manner, all their parts being made of Best Material.

Prices,

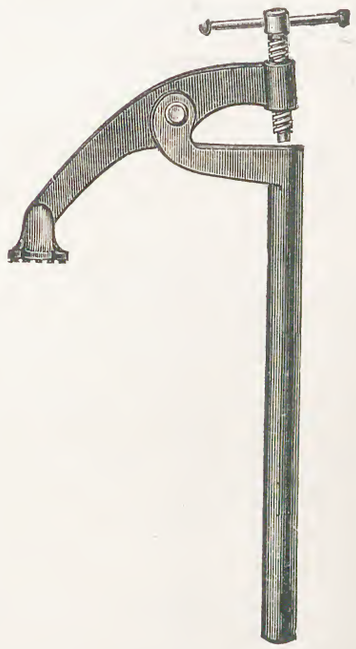
No. **3731.**
Universal Angular Machine
26/6 each.

No. **3732.** Plain Machine,
19/6 each.

Set of Nine Augers, 1/2 to 2ins. (less 1 1/8in.) **28/-** set Extra.



BENCH HOLDFASTS.

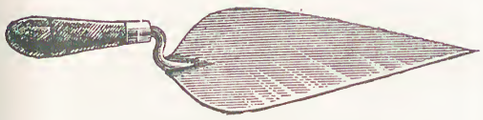


No. **3734.** Wrought Iron Pillar, Screw, and Handle, Malleable Iron Arm and Shoe.

Number	Size of Pillar.	Black Finish. No. **3734.**	All Bright or Best Black finish, with Bright edges No. **3735.**
0	10×3/4 in.	4/6	6/- each.
1	12×7/8 ,,	5/3	7/3 ,,
2	14×1 ,,	6/-	8/6 ,,
3	16×1 1/8 ,,	7/3	9/9 ,,
4	18×1 1/4 ,,	9/-	13/- ,,

BRICKLAYERS', PLASTERERS', SLATERS' AND GLAZIERS' TOOLS.

BRICK TROWELS.



No. **3736.** Cast Steel.

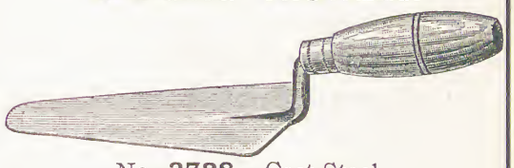
Sizes, 9 10 11 12 12½ ins.
2/6 2/9 3/- 3/3 3/6 each.

POINTING TROWELS.



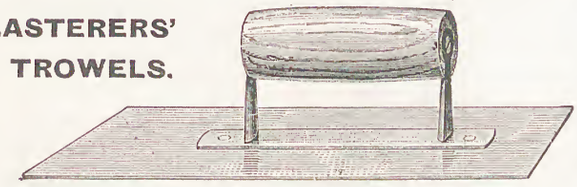
No. **3737.** Cast Steel.
Sizes, 5 6 7 ins.
1/3 1/6 1/9 each.

GAUGING TROWELS.



No. **3738.** Cast Steel.
Sizes, 6 7 8 ins.
1/9 2/- 2/3 each.

PLASTERERS' TROWELS.



No. **3739.** Cast Steel. Double Tanged. 11×4 in.
Price 3/- each.
Can be had Flat, as drawn, or with Bevelled Edge.

LINE PINS.



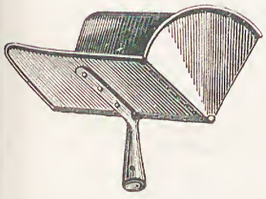
No. **3740.** Malleable Iron.
4/- per dozen pairs.
No. **3741.** Bright.
8/- per dozen pairs.

BRICKLAYERS' LINES.



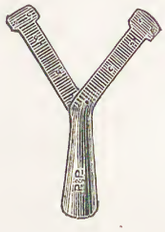
No. **3742.** Hemp. 60 ft.
4/9 per dozen lines.
No. **3743.** Chalk Lines.
3/3 per dozen lines.

BRICKLAYERS' HOD.



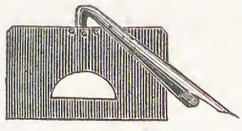
No. **3744.**
Galvanized, Strong.
Sizes, 16 17 ins.
6/- 6/3 each.

HOD SOCKET.



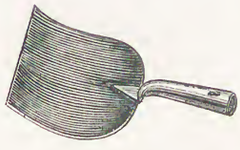
No. **3745.**
To receive wooden Hod.
1/6 each.

LARRIES.



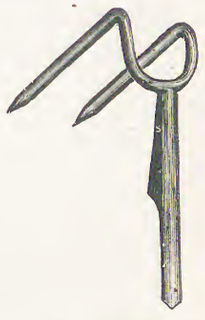
No. **3746.**
Sizes, 10 11 12 ins.
2/3 2/6 2/9 each.

PLASTERERS' SERVER.



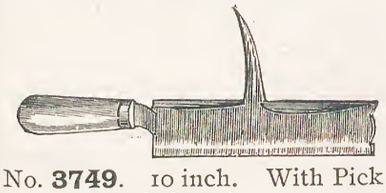
No. **3747.**
Lengths, 6½ 7 7½ ins.
Nos. 1 2 3
1/3 1/6 1/9 each.

HAIR HOOK OR DRAG.



No. **3748.**
2 3 4 prong.
2/3 2/6 3/- each.

SLATERS' AXE.



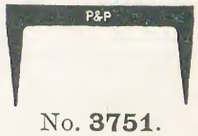
No. **3749.** 10 inch. With Pick
4/3 each.

SLATERS' RIPPER.



No. **3750.** **3/9** each.

SLATERS' IRON.



No. **3751.**
9 inches on top.
2/- each.

HACKING KNIVES.



No. **3752.**
4½ inch. **8/-** per dozen.

PUTTY KNIFE.



No. **3753.** "Glazing."
4½ inch Cocoa Handle.
7/- per dozen.

PUTTY KNIFE.



No. **3754.** "Stopping."
5 inch. Ebony Handle.
11/- per dozen.

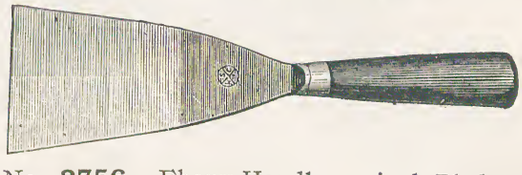
PALETTE KNIVES.



No. **3755.**

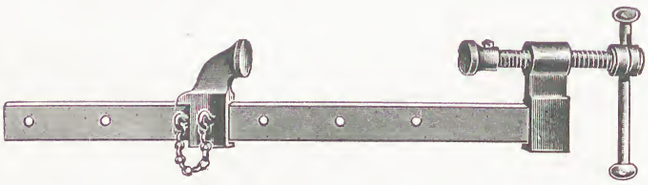
Sizes .. 6 8 10 12 ins.
Cocoa Handles **10/- 14/- 22/- 34/-** per dozen.

CHISEL KNIVES.



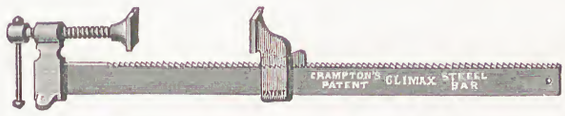
No. **3756.** Ebony Handle. 5 inch Blades.
Widths .. 1½ 2 2½ 3 4 ins.
Prices, 9/- 12/- 14/6 17/- 27/- per doz.
The 4 inch size has a 6 inch blade.

SASH, JOINERS' AND FLOOR CRAMPS.



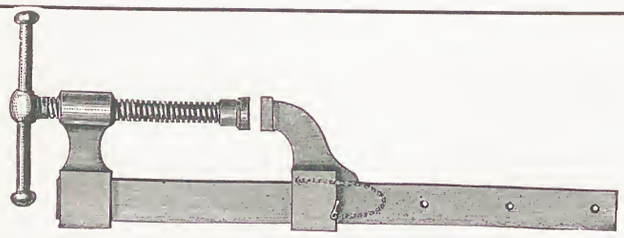
No. 3757. Sash Cramp.

Sizes. To take in	25	31	37 ins.
Total length	30	36	42 ins.
Price	**6/-**	**6/9**	**7/6** each.



No. 3758. "Climax" Sash Cramp.
Bright Bars.
Steel Bar, $1\frac{1}{8} \times \frac{1}{4}$ in. Depth of Jaws, $1\frac{7}{8}$ ins.

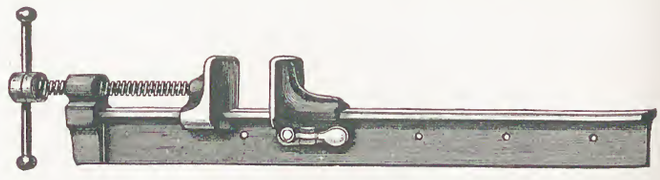
Length of Bars	18	24	30	36 ins.
Price	**6/9**	**7/3**	**8/9**	**10/-** each.



No. 3759. Joiner's Cramp.
Pin and Chain.

To take in	3 ft. 0 ins.	3 ft. 6 ins.	4 ft. 0 ins.	4 ft. 6 ins.	5 ft. 0 ins.	6 ft.
Total length	3 ,,10 ,,	4 ,, 4 ,,	4 ,,10 ,,	5 ,, 4 ,,	5 ,,10 ,,	7 ,,
Prices—						
No. 3759. Black	**14/6**	**15/6**	**16/6**	**18/-**	**19/6**	**24/** ea.
No. 3760. Bright	**17/6**	**19/-**	**21/-**	**23/6**	**26/-**	**35/-** ,,

No. 3763. Lengthening Piece to take in 6 in. less than length of Bar, **2/6** per ft.



No. 3762. Joiner's Cramp.
Pin and Chain or Spring Catch, "T" Section.

To take in	3 ft.	3 ft. 6 ins.	4 ft.	4 ft. 6 ins.	5 ft.	5 ft. 6 ins.	6 ft.
No. 3761. Pin and Chain	**15/3**	**16/3**	**17/-**	**18/-**	**18/9**	**19/6**	**20/6** each.
No. 3762. Spring Catch	**16/3**	**17/-**	**18/-**	**18/9**	**19/6**	**20/6**	**21/3** ,,

Total lengths are 6 ins. longer than above.

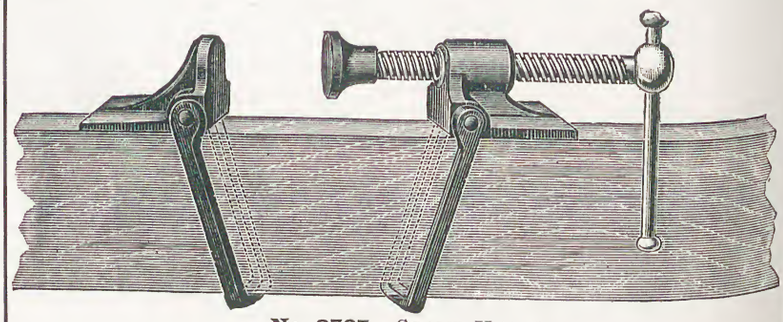
No. 3764. Cramp Holders. **Price 2/6** per pair.



No. 3765. "T" Steel 'Climax" Joiner's Cramp.
Steel Bar "T" Section, $2\frac{1}{8} \times \frac{5}{8} \times \frac{5}{16}$ in. Depth of Jaw, $2\frac{1}{4}$ ins.

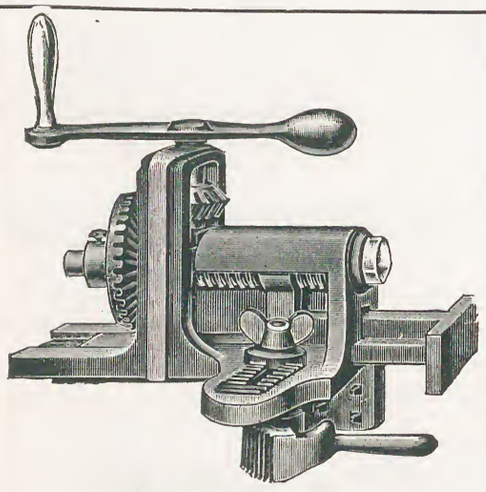
Length of Bar	3 ft.	3 ft. 6 ins.	4 ft.	4 ft. 6 ins.	5 ft.	6 ft.	7 ft.
Price	**18/3**	**18/3**	**18/9**	**19/6**	**20/-**	**22/6**	**25/-**

No. 3766. Lengthening Bars to suit, 3 ft., **9/3** each.



No. 3767. Cramp Heads.
Wrought Iron Screw, Handle and Straps, other Fittings Cast Iron.

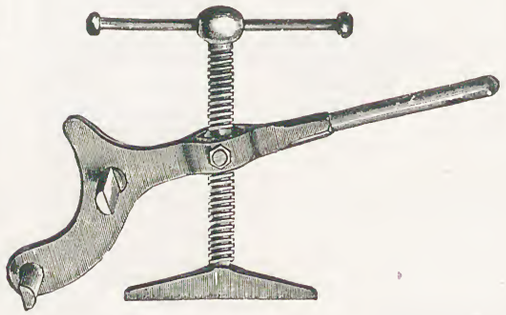
Sizes	No. 1	No. 2	No. 3
Diameter of Screw	$\frac{3}{4}$ in.	$\frac{7}{8}$ in.	$\frac{1}{16}$ in.
To suit Plank	$4 \times 1\frac{3}{4}$ ins.	$5\frac{1}{2} \times 2\frac{1}{2}$ ins.	$6 \times 3\frac{1}{4}$ ins.
Price	**4/6**	**6/3**	**8/-** per pair.



No. 3768. "Crown."
Flooring Cramp for Joists, $1\frac{1}{2}$ to 3 ins. thick.
Wrought and Malleable Iron throughout.
Price 19/- each.

No. 3769. Cheaper "Crown" Pattern.
Best Cast Iron Frame, Wheels and Eccentric, with malleable and W. I. working parts.

2 to $3\frac{1}{2}$ in.	2 to $4\frac{1}{2}$ in. or 2 to 6 in. Joists.
14/9	**15/3** **15/9** each.

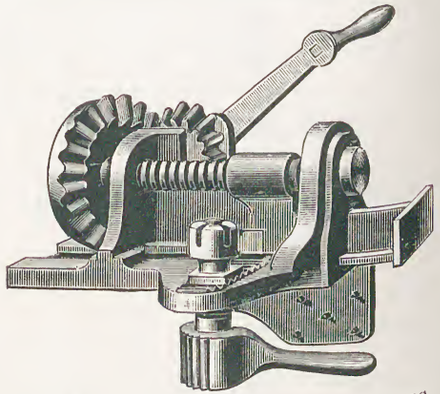


No. 3770. "Kimberley."

Flooring Cramp.

All Wrought Iron.

Price 8/3 each.

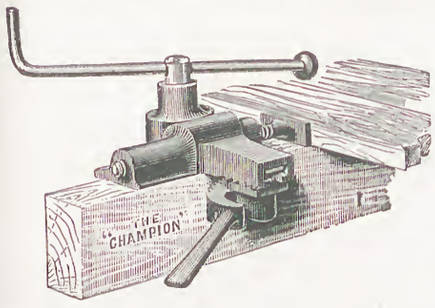


No. 3771. Bissell's Flooring Cramps.
For Joists $1\frac{1}{2}$ to $3\frac{1}{2}$ ins. thick.
Wrought and Malleable Iron.
Price 17/6 each.

No. 3772. Cheaper Pattern.
Best Cast Iron Frame, Wheels and Eccentric, with Malleable and W. I. working parts.

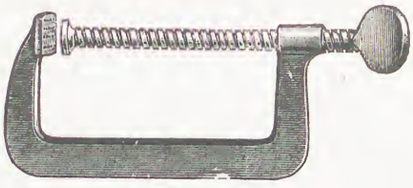
2 to $3\frac{1}{2}$ in.	2 to $4\frac{1}{2}$ in.	2 to 6 in. Joists.
12/6	**12/9**	**13/6** each.

FLOOR CRAMP.



No. **3773.** "Champion" Floor Cramp. All Malleable and Wrot Iron. Very compact. All Working Parts enclosed. Takes Joist up to 6 ins.
Price 21/6 each.

"G" CRAMP.



No. **3774.** "G" Cramp.

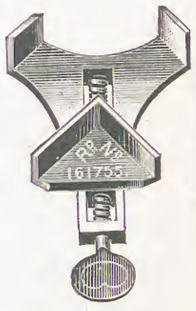
Malleable Iron, with Wrought Iron Thumb Screws.

To take in	2	3	4	5	6	7	8 ins.
Prices	**1/6**	**1/9**	**2/-**	**2/6**	**3/-**	**3/9**	**4/6**

each.

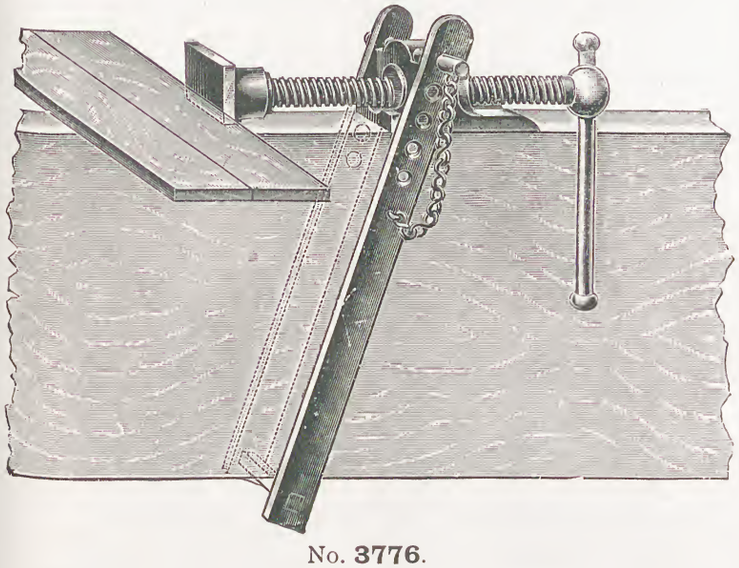
IMPROVED CORNER PICTURE FRAME CRAMP.

To Take Moulding.		Price.
¾ to 1½ ins.	..	**1/-** each.
1 to 2½ ,,	..	**1/3** ,,
2 to 3½ ,,	..	**1/6** ,,
3 to 4 ,,	..	**2/6** ,,



No. **3775.**

FLOOR CRAMP.



No. **3776.**

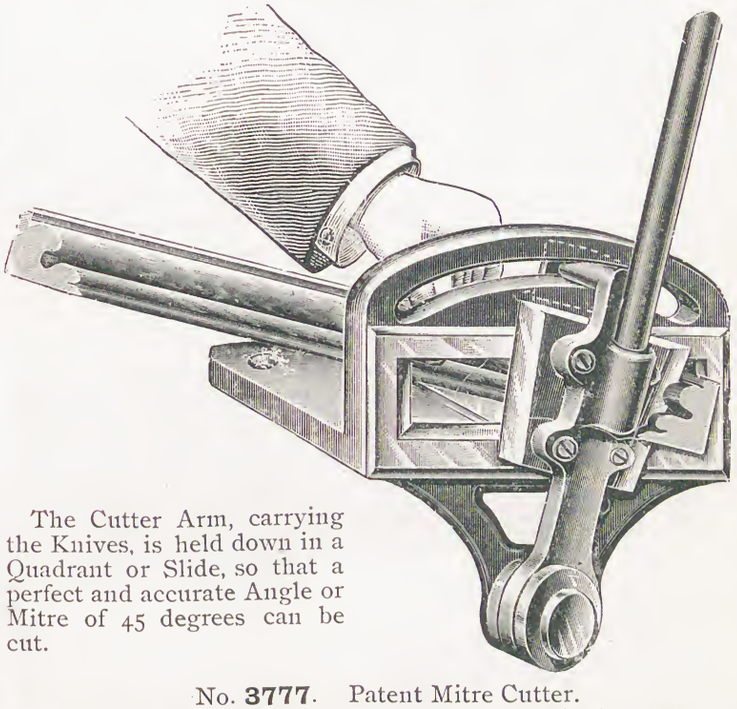
Combined Flooring Cramp and Cramp Head.

Cast Head and Cap, Steel Screw Handle and Straps.

Straps are detachable and adjusted by means of a peg and holes, to suit joists from 7 to 11 inches.

Price 8/3 each.

MITRE CUTTER.

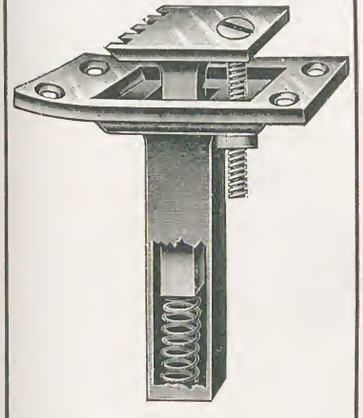


The Cutter Arm, carrying the Knives, is held down in a Quadrant or Slide, so that a perfect and accurate Angle or Mitre of 45 degrees can be cut.

No. **3777.** Patent Mitre Cutter.

To take Moulding up to	2⅛	4¼ inches wide.
Price	**14/3**	**23/6** each.
No. **3778.**—Extra Cutters	**2/9**	**4/3** per set of two.

"SIMPLEX" BENCH STOP.



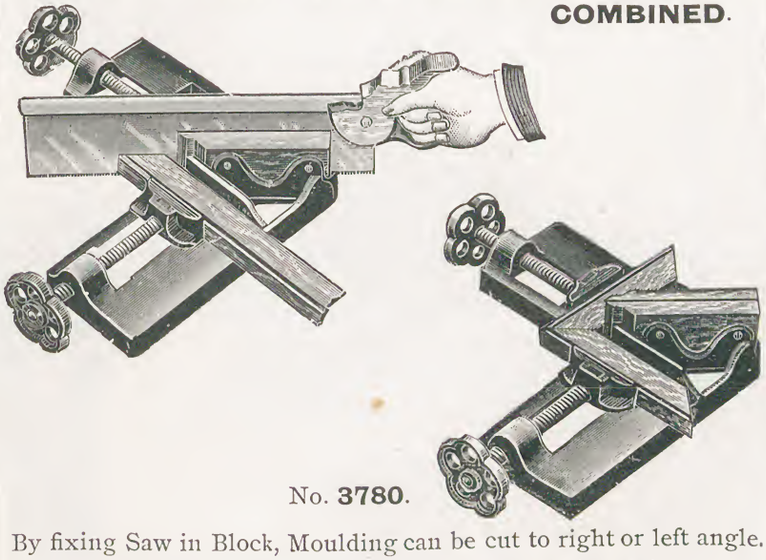
No. **3779.**

Malleable Iron, with Steel Screw and Spring.

Simple construction, and no parts likely to get out of order.

Price 1/4 each.

PICTURE FRAME MITRE BLOCK AND CRAMP COMBINED.



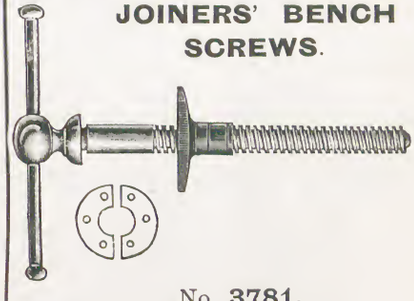
No. **3780.**

By fixing Saw in Block, Moulding can be cut to right or left angle.

After Moulding is sawn to proper length, it can be cramped together whilst in machine being nailed.

Price 17/9 each.

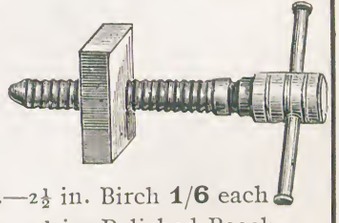
JOINERS' BENCH SCREWS.



No. **3781.**

Length of Screw	16	18	20	22	24 ins.
Diam. of Screw	1	1⅛	1¼	1⅜	1½ ,,
Price each	**6/9**	**7/6**	**8/9**	**10/9**	**13/9**

WOOD BENCH SCREW.



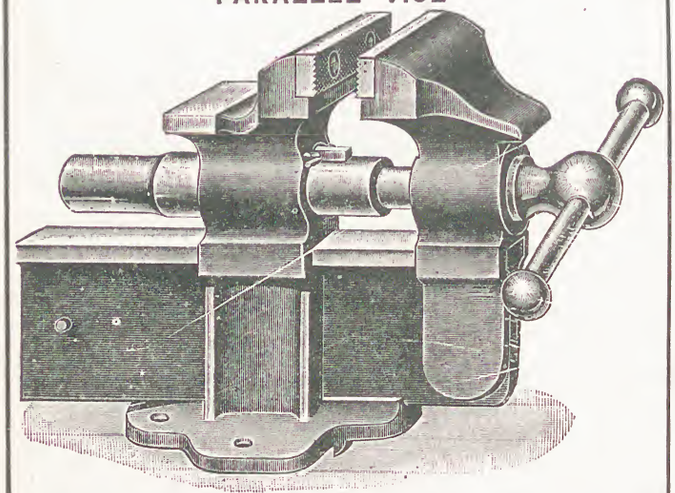
No. **3782.**

No **3782.**—2½ in. Birch **1/6** each.

No. **3783.**—2½ in. Polished Beech, with 2 in. Block, **4/6** each.

JOINERS' AND SMITHS' VICES.

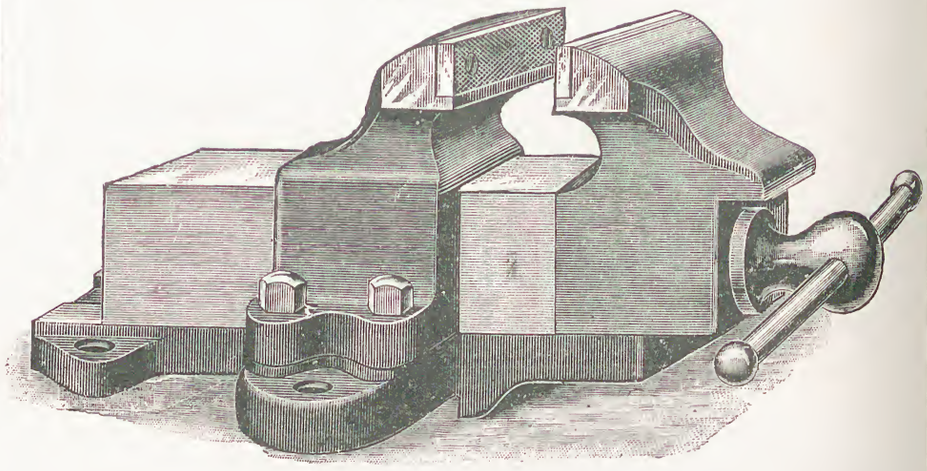
PARALLEL VICE



No. 3784.—"T" Section Steel Bar Parallel Vice.
(Registered Pattern).
Entirely Malleable Iron, with Steel parts.
Lightness, strength and durability combined.

	Width of Jaw.	Extent of Opening.	Weight.	Price.
No. 3784.	2¼ ins.	2¼ ins.	6 lb.	**9/6** each
No. 3785.	3 ,,	3 ,,	8½ ,,	**12/6** ,,

PARALLEL VICE.

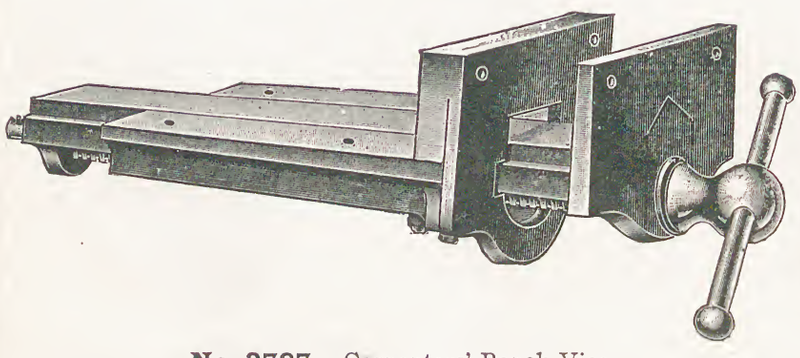


No. 3786.—Improved Parallel Vice.
Best Cast Iron, fitted with Steel Detachable Jaws, Wrought Iron Screw, Steel Bolts and Handle.

Width of Jaws ..	2¼	2½	3	3½	4	5	6 ins.
Extent of Openings	2	2¾	3¼	4	4¾	6¼	7¼ ,,
Weight	5¼	7	11	21	31½	65½	87 lb.
Price	**6/-**	**7/3**	**8/6**	**14/6**	**18/-**	**33/6**	**48/-** each.

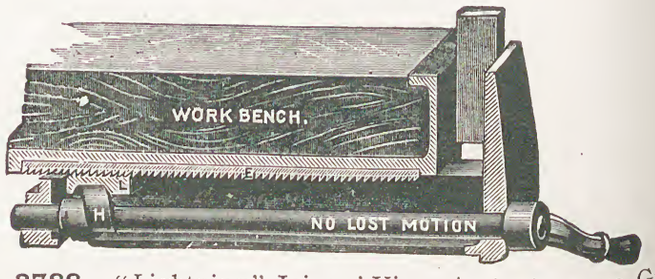
These Vices are accurately machined and fitted, and thoroughly well made in every respect.

BENCH VICE.



No. 3787.—Carpenters' Bench Vice.
Best Cast Iron, fitted with Steel Screw and Handle.
Width of Jaw, 10 ins. Extent of Opening, 14 ins.
Approximate Weight, 56 lb.
Price, 27/3 each.

JOINERS' VICE.

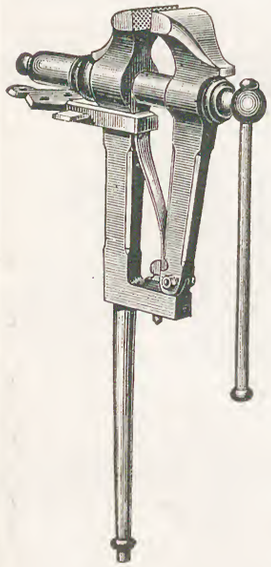


No. 3788.—"Lightning" Joiners' Vice. Instantaneous Grip.

Width of Jaw.	Opens.	Price.
7½ ins.	6 ins.	**19/9** each.
9 ,,	12 ,,	**22/-** ,,
10½ ,,	13 ,,	**25/9** ,,

If the 9 and 10½ in. supplied with Bench Hook, **1/3** each extra.
Above are with Tempered Steel Racks and Machine Cut Teeth.

No. 3789.—Cheaper pattern made in one size only. 9 in. Jaw. 12 in. Opening. Weight, 53 lb.
Price, 19/9 each.



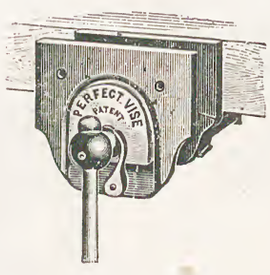
LEG VICE.

No. 3790.

Best warranted,
Black Staple,
Solid Box Vice.

Jaws	3	3½	4	4½	5	6 ins.
Price	**14/-**	**17/6**	**22/6**	**30/-**	**37/6**	**55/-** ea.

WOOD WORKING VICE.

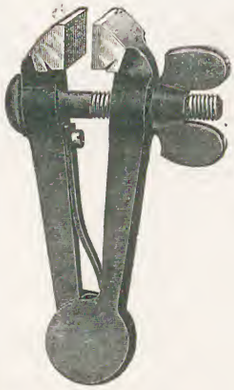


No. 3791.—"Perfect."

Width of Jaw	7	9	10½ ins.
Opening ..	6	12	12 ,,
Weight ..	19½	40	43½ lb.
Prices	**13/9**	**18/3**	**21/9** each.

HAND VICE.

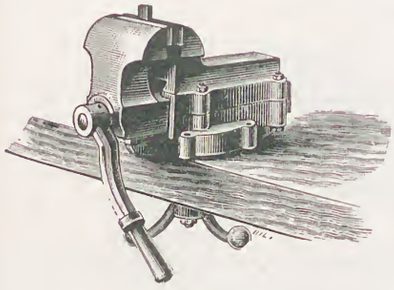
No. 3792.—Solid Steel.



Sizes.	Prices.
4 ins.	**2/-** each.
4½ ,,	**2/3** ,,
5 ,,	**2/6** ,,
6 ,,	**3/9** ,,

BENCH AND TUBE VICES.

BENCH VICE.



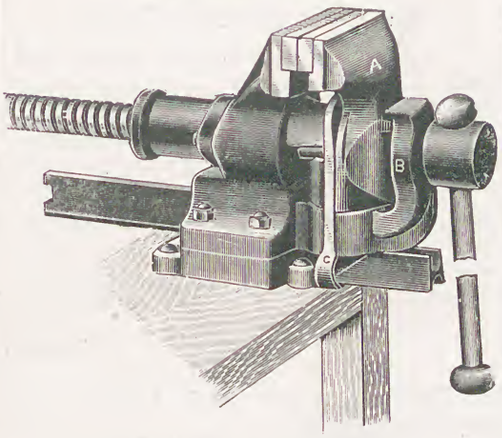
No. **3793.**

"Lightning" Fitter's Bench Vice.
Instantaneous Grip.

Width of Jaw	3	4	5	6	7 ins.
Opens	3	4	5	6½	8½ ,,
Price	**37/6**	**43/-**	**50/-**	**59/-**	**84/-** each

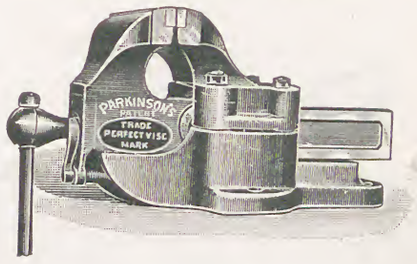
Strongest and Handiest Quick-action Vice made.

BENCH VICE.



No. **3794.** "Bull Dog" Vice,
With Swivel Jaw for Taper Work. Steel Jaw and Bar, stand any amount of hard slogging.
Instantly changed from Parallel to Taper and vice versa.
Width of Jaw, 6 ins. Opens 8 ins.
Price £3 17 6 each.

ENGINEERS' VICE.



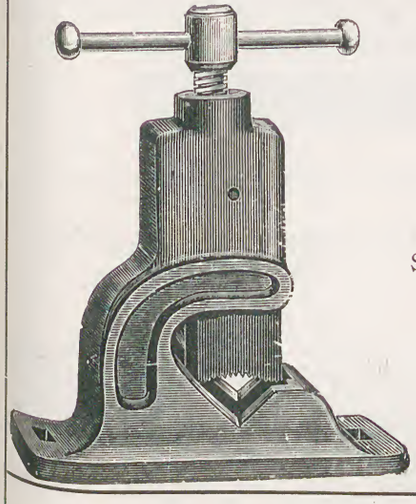
No. **3795.**

Engineers' and Metal Workers' Vice.

Width of Jaw.	Opening.	Weight.	Price.
3¼ ins.	3¾ ins.	33 lb.	**32/3** each.
3¾ ,,	4½ ,,	39 ,,	**39/-** ,,
4¼ ,,	4¾ ,,	57 ,,	**46/-** ,,
5¼ ,,	6½ ,,	73 ,,	**52/9** ,,
6 ,,	6½ ,,	76 ,,	**59/9** ,,
6½ ,,	8½ ,,	112 ,,	**66/6** ,,
7 ,,	9½ ,,	168 ,,	**92/-** ,,
8½ ,,	12 ,,	268 ,,	**172/6** ,,
8½ ,,	12 ,,	289 ,,	**184/-** ,,

No. **3796.**
With Adjustable Front Pillar

TUBE VICE.



No. **3797.**

"Open" Pattern.

Cast-iron Frame, Steel Screw and Hardened Steel Grip.

Sizes—¼ to 1¼ ins. .. **9/9** each.
¼ to 2 ,, .. **12/6** ,,
¼ to 3 ,, .. **17/9** ,,

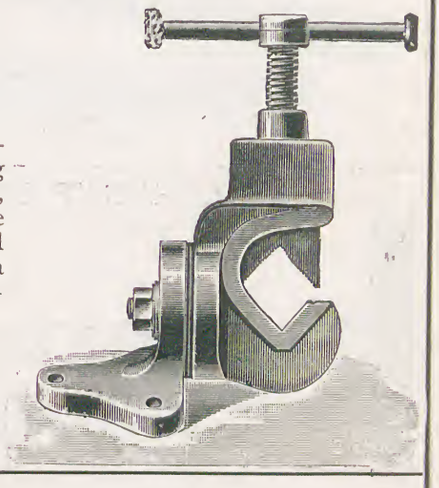
TUBE VICE.

No. **3798.**

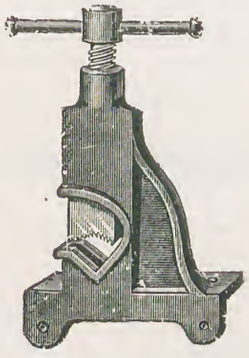
"Adjustable."

These Vices give the Workman the advantage of placing the Tube in a vertical position, which enables him to cut the thread with greater ease and freedom than when held in a horizontal position by the ordinary Vice.

Sizes—¼ to 2 ins.
Approximate weight, 44 lb.
Price 26/6 each.



TUBE VICE.



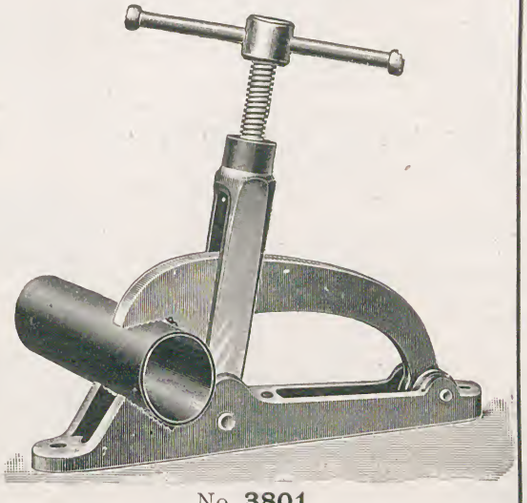
No. **3799.** **Side Flange.**

Malleable Iron Frame, Steel Screw, and Hardened Steel Grip.

Sizes ⅛ to 1 in. **8/6** each.

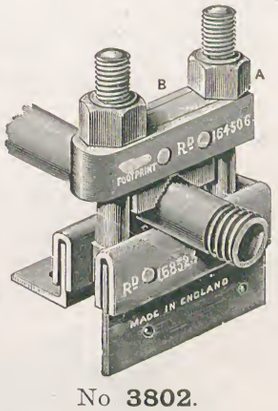
No. **3800.**—Flat Foot Pattern, same price.

TUBE VICE.



No. **3801.**
Improved **all Steel** Tube Vice.
Very Strong. Approximate Weight. 11lb.
The upper Jaw is attached to the Screw, so that it accompanies the Screw when it is raised. Requires very little room in Tool Bag or Chest.
"Portable." Size ⅛ to 2 ins. **26/3** each.

TUBE VICE.

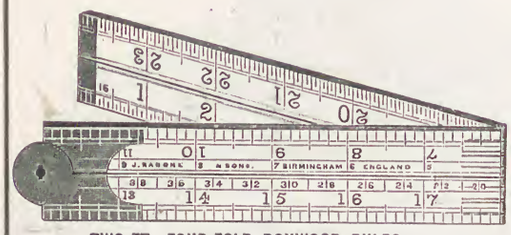


No **3802.**
"Portable" Tube Vice.
Made entirely of Wrought Iron and Steel.
Black Vice, weighing 4½ lb., for Tubes ⅛ to 1½ in. .. ..**10/-** each.

To use:—Loosen the Nut A, and swing back the Jaw B. Lay the Tube in groove, then swing back the Jaw into place, and tighten up the Nuts. Screw up Nut B last.

RULES, LATHS, GAUGES, &c.

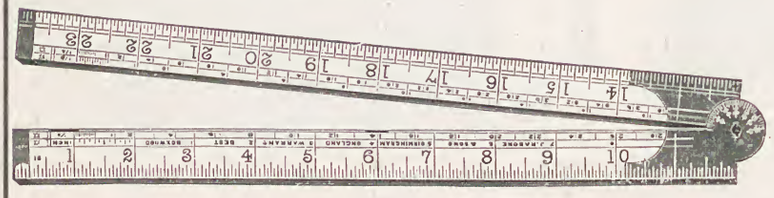
BOXWOOD RULES.



TWO-FT. FOUR-FOLD BOXWOOD RULES.

TWO-FT. FOUR-FOLD BOXWOOD RULES.

		Per dozen.
No. 3803.	Arch Joint 1 in. wide, marked in inches in $\frac{1}{8}$ths and $\frac{1}{16}$ths	10/6
,, 3804.	,, $1\frac{3}{8}$ in wide, marked in 8ths, 16ths, 10ths and 12ths	13/3
,, 3805.	,, $1\frac{1}{2}$ in. wide, marked in 8ths, 16ths and scales	15/-
,, 3806.	Double Arch Joint, brass pinholes and scales, $1\frac{1}{8}$ in. wide, marked 8ths, 16ths, 10ths and 12ths	22/-
,, 3807.	Arch Joint, outside edges brass bound, $1\frac{3}{8}$ in. wide, marked inches, in 8ths, 16ths, 10ths and 12ths	25/6
,, 3808.	Arch Joints, edge plates, bevelled edges, with 8 scales, $1\frac{1}{8}$ in. wide, marked in inches, in 8ths, 16ths, 10ths and 12ths	31/-
,, 3809.	German Silver Arch Joint, bevelled edges with 16 scales, $1\frac{1}{8}$ in. wide, marked in 8ths, 16ths, 10ths and 12ths	55/-
,, 3810.	2-ft. 4-fold, Boxwood, with Calliper Gauge, $1\frac{1}{4}$ in. wide	3/3 each.



TWO-FT. TWO-FOLD BOXWOOD RULES.

		Per dozen
No. 3811.	Square Joint, marked inches in 8ths, $1\frac{5}{8}$ in. wide	7/3
,, 3812.	Arch Joint, marked 8ths, 10ths, 12ths, 16ths and 8 square line. Bevelled edge, $1\frac{5}{8}$ in. wide	9/-
,, 3813.	Arch Joint, brass pinholes, 8 square line and 2 scales. Bevelled edges, $1\frac{5}{8}$ in. wide, marked in 8ths and 16ths	12/-

IVORY RULES SUPPLIED TO ORDER.

FLEXIBLE JOINTED STEEL RULES.



No. 3814.
Two-Ft., Two-Fold, Stop Joint and Brass Bits at Ends.
$\frac{3}{4}$ in. wide. Embossed with Raised Figures.
Price, 17/3 per dozen.

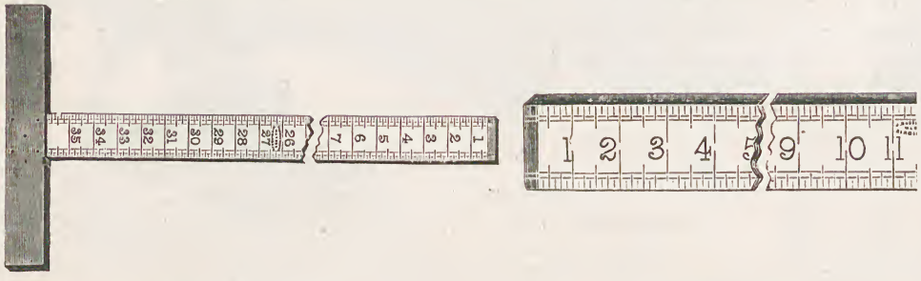
ARCHITECTS' OR SURVEYORS' LATHS.



Marked Feet and Inches in 8ths.

		5 feet.	6 feet.
No. 3815.	Boxwood, Folding with Spring Top Joint	5/3	7/- each.
No. 3816.	Black with white figures, do. do.	6/3	7/6 ,,

GLAZIER'S T SQUARES AND LATHS.



No. 3817. T Square.

No. 3818. Lath.

	Lengths	24	30	36	42	48	60	72 inch.
No. 3817.	T Square	24/-	27/6	31/-	38/-	42/6	62/-	— per doz.
No. 3818.	Laths	13/9	19/6	24/-	27/6	32/3	48/3	69/- ,,

No. 3819. T Square, with brass bound stock at 20/- per dozen extra.

BRASS COUNTER MEASURES.

For Screwing down on Counters.



One Yard Measure. $\frac{3}{4}$ in. wide.

No. 3820.	Marked parts of yards, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, etc.	1/6 each.
No. 3821.	Marked inches	1/9 ,,
No. 3822.	Marked inches and parts of yards	2/- ,,

GAUGING RODS AND DIPPING STICKS.

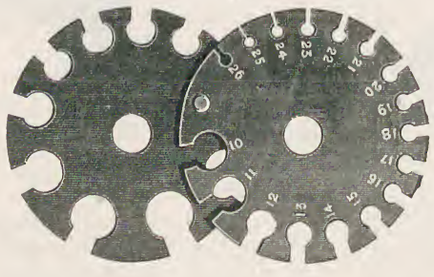
No. 3823.	Gauging Rod, Boxwood, Brass Tipped, inches and imperial gallons	4 ft. 3/3 each	5 ft. 4/- each.
,, 3824.	,, ,, ,, ,, ,,	4 ft. 4/9 ,,	5 ft. 6/3 ,,
,, 3825.	,, ,, ,, ,, ,,	4 ft. 4/9 ,,	— —
,, 3826.	Folding Gauging Rod, Boxwood, inches, imperial gallons	4-fold, 4 ft. 6/9 ,,	5 ft., 6-fold 8/9 ,,
,, 3827.	,, ,, ,,	4-fold, 4 ft. 6/9 ,,	— —
,, 3828.	Round Screw Joint Gauging Rods, inches and imperial gallons	4 ft., 4-joint. 9/3 ,,	5 ft. 5-joint 11/6 ,,

Dips for Wine and Spirit

Dips for Beer

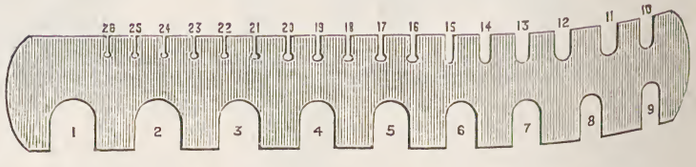
Dips for Beer

ROUND WIRE GAUGES.



No. 3829.	Double Round Wire Gauge, 1 to 26	7/9 each.
No. 3830.	,, ,, in German Silver case	9/3 ,,

STANDARD WIRE GAUGE.



No. 3831.	Oblong, 1 to 26 W.G.	6/3 each.
No. 3832.	,, Best (Tested)	8/6 ,,
No. 3833.	,, 1 to 30 W.G. Best (Tested)	10/9 ,,

TAPES, SPIRIT LEVELS AND COMPASSES.

MEASURING TAPES.

Marked on both sides of Tape



Wind-up Measuring Tapes.

		Lengths, 33	66	100 feet.
No. **3834.**	Best Linen Tapes, ½ in. wide, Leather Case, Folding Handle	**3/9**	**5/6**	**7/6** each
,, **3835.**	Metallic Wired Tapes, ⅝ in. wide, Brown Leather Case, Folding Handle	**4/6**	**7/3**	**9/6** ,,
,, **3836.**	Rabone's Celebrated "Rigida" Tape, ⅝ in wide, Leather Case, Folding Handle, Highest Quality	**5/9**	**8/6**	**11/6** ,,
,, **3837.**	Best Metallic Wire Tape, ⅝ in. wide, Leather Case, Folding Handle, Highest Quality ..	**5/9**	**8/6**	**11/6** ,,
,, **3838.**	Steel Tape, ⅜ in. wide, Leather Case, Flush Handle, marked on both sides	**12/9**	**22/3**	**32/-** ,,
,, **3839.**	Ditto. ditto. ½ in. wide, marked on both sides	**19/-**	**35/-**	**48/9** ,,

Chesterman's Rules and Tapes can also be supplied if required.

SPIRIT LEVELS.



No. **3840.** Brass Plated Top.

Sizes, 6 8 9 10 12 14 ins.
Prices—9d. 1/- 1/2 1/3 1/6 1/9 each.

No. **3841.** With Tipped Bottom.

Sizes, 6 8 9 10 12 14 ins.
Prices—1/2 1/4 1/6 1/9 1/10 2/3 each.



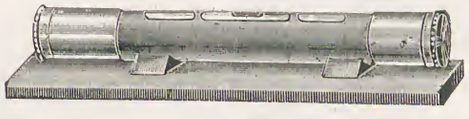
No. **3842.** Small Light Ebony. Brass Plated and Tipped.

Sizes, 8 9 10 12 ins.
Prices—1/9 1/10 2/- 2/3 each.



No. **3843.** Rosewood Plumb and Level. Brass Plated Top and Plumb.

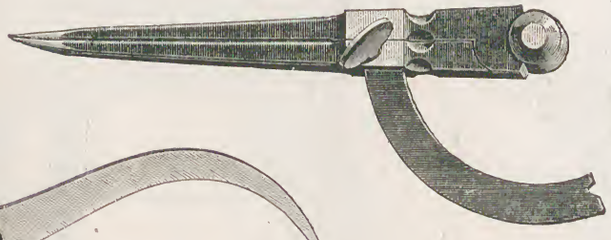
Sizes, 8 9 10 12 14 ins.
Prices—3/3 3/6 3/9 4/3 5/- each.



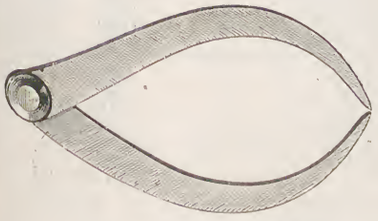
No. **3844.** Level in Brassed Case.

Sizes, 4 5 6 7 8 ins.
Prices—12/- 14/6 16/- 17/3 19/3 per dozen.

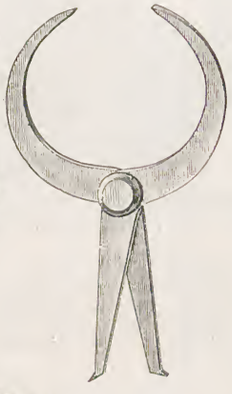
No. **3845.** Compass.



No. **3846.** Calliper.



No. **3848.** Inside and outside Calliper.





No. **3847.** Plain Compass.

No. **3845.** Best, Black Wing Compasses, Warranted.

Sizes, 5 6 7 8 9 10 11 12 ins.
Prices 1/10 2/- 2/4 2/9 3/6 4/- 4/9 5/6 each.

No. **3846.** Best, Bright Egg Callipers.

Sizes to 5 6 7 8 ins.
Prices—1/- 1/3 1/6 1/9 each.

No. **3847.** Plain, Black Compasses, Warranted.

Sizes, 4 5 6 7 8 ins.
Prices—9d. 10d. 1/- 1/2 1/4 each.

No. **3848.** Bright, Inside and Outside Callipers.

Sizes to 5 6 7 8 ins.
Prices—1/6 2/3 3/- 4/- each.

GLUE POTS, OIL CANS, AND FEEDERS, &c.

GLUE POT.

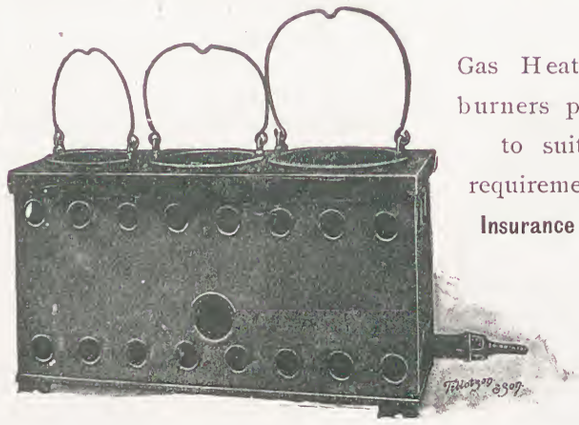


No. **3849.** Cast Iron.

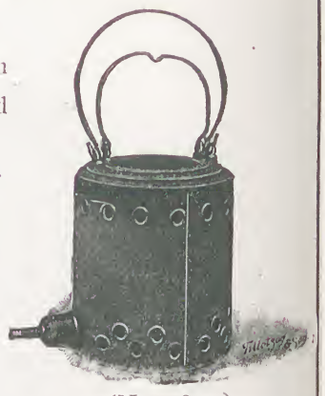
Sizes,	1	1¼	1½	2	2½	3 pint.
With Tinned Pan,	**2/-**	**2/3**	**2/10**	**3/6**	**4/3**	**5/-**
With Copper Pan,	**3/9**	**4/6**	**5/3**	**6/3**	**7/-**	**8/6**

each.

SAFETY GLUE POT CONTAINERS.



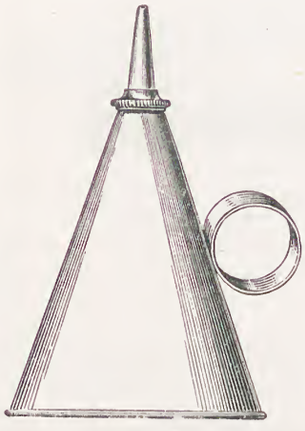
Gas Heated with burners protected to suit the requirements of **Insurance Offices.**



(No. 3850.)

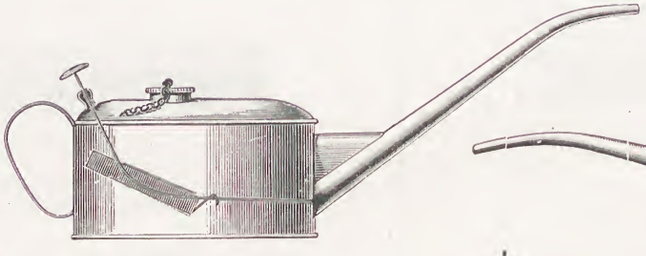
	(No. 3852.) Capacity, ⅜ to 1	1½ to 3	4	5 & 6 pints.
No. **3850.**	To hold one pot .. **10/-**	**11/3**	**14/-**	**16/9** each.
„ **3851.**	„ two pots .. **22/-**	**22/-**	**22/-**	**32/-** „
„ **3852.**	„ three pots.. **26/6**	**26/6**	**26/6**	**40/-** „
„ **3853.**	Glue pots to suit .. **1/3**	**2/6**	**3/9**	**4/9** each extra.

OIL CANS AND FEEDERS.



No. **3854.** Oil Can.
With Handle, as drawn.

Sizes,	2½	2¾	3¼ in.
Price,	**3/6**	**4/-**	**5/-** per doz.

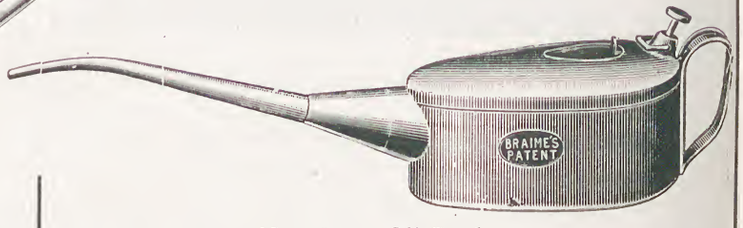


No **3855.** "Spring" Feeder.
Copper Spouts, Screw Feed Hole and Chain, Strong and well made.

Capacity	½	¾	1	2 pint.
Price,	**1/2**	**1/4**	**1/6**	**2/3** each.

No. **3856.** Cheaper Pattern.

Price,	**8/9**	**9/9**	**10/9**	**17/-** doz.

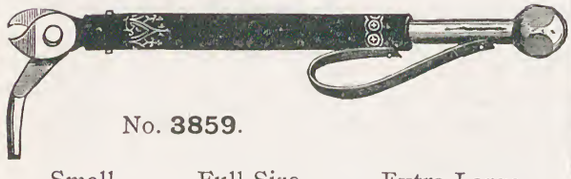


No. 3857. Oil Feeder.
Braimes' Patent Seamless Steel.

Capacity ..	½	¾	1	1½	2 pint.
Fixed Spout..	7	8	9	10	10 in. long.
No. **3857.** Steel Spouts,	**1/9**	**2/-**	**2/6**	**3/-**	**3/6** each.
„ **3858.** Copper „	**2/-**	**2/3**	**2/9**	**3/3**	**3/9** „

Fitted with New Patent Double Slide, Grit Excluder Feed Hole.

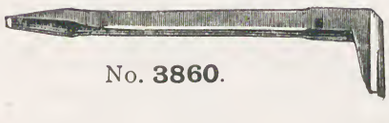
PATENT NAIL PULLER.



No. **3859.**

Small.	Full Size.	Extra Large.
8/-	**9/9**	**16/-** each.

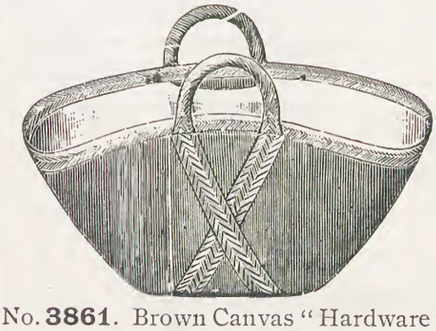
CASE OPENER.



No. **3860.**

Sizes,	10	12	14	16	18 in.
Prices,	**2/9**	**3/-**	**3/3**	**3/6**	**4/-** each.

TOOL BAGS.



No. **3861.** Brown Canvas "Hardware" Bag, Webbing Straps.
Size, 29 in. .. .. **2/3** each

No. **3862.** Bass, Canvas Lined, Large size .. **1/4** each.

No. **3863.** Do., Leather Lined. Large size .. .. **5/6** each

Customers' orders packed in Tool Bag if desired. Other sizes of Tool Bags, also Plumbers' Baskets, on receipt of order.

PENCILS.



No. **3864.**
Carpenters' English made Pencils.
7 in. Polished Cedar.
1/3 per doz.

CARPET STRETCHER.

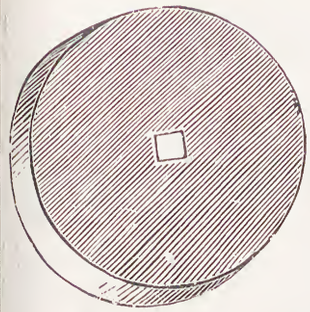


No **3865.**
Ash Shafts, full length 24 in
Berlin Black with Bright Fronts.

8	10	12 teeth.
1/4	**1/6**	**1/8** each.

GRINDSTONES, &c.

GRINDSTONES.



Unmounted.

No. 3866.—Best York.

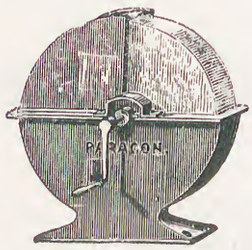
Sizes	12 × 2	12 × 3	16 × 3	16 × 4	18 × 3	18 × 4 ins.
Price	**2/9**	**3/-**	**4/2**	**4/4**	**5/-**	**5/6** ea.
Sizes	18 × 6	20 × 3	20 × 4	22 × 4	24 × 3	24 × 4 ins.
Price	**6/3**	**5/10**	**6/3**	**6/10**	**7/3**	**7/9** ea.
Sizes	24 × 6	28 × 5	30 × 4	30 × 5	30 × 6	34 × 5 ins.
Price	**11/-**	**12/-**	**14/3**	**15/3**	**16/3**	**22/6** ea.
Sizes	34 × 6	36 × 4	36 × 5	36 × 6	40 × 6	42 × 6 ins.
Price	**24/3**	**26/6**	**27/6**	**28/6**	**37/3**	**42/9** ea.
Sizes	42 × 7	42 × 8	48 × 6	48 × 7	48 × 8	48 × 10 ins.
Price	**46/3**	**49/6**	**57/3**	**61/9**	**70/6**	**88/-** ea.

OIL STONES.



No. 3867.—"Washita" .. **1/10** per lb.
,, **3868.**—Turkey .. **1/9** ,,
,, **3869.**—"Washita" Slips **9/-** per doz.
,, **3870.**—"Washita" Oil Stones in Mahogany Case **5/3** each.

GRINDSTONE IN TROUGH.



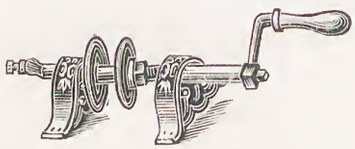
No. 3871.—Without Hood.

Sizes	6	8	10	12	14	16 in. Stone.
Price	**7/6**	**10/-**	**12/9**	**15/-**	**17/6**	**20/9** ea.

No. 3872.—With Hood as drawn.

Sizes	12	14	16	18	20	24 ins.
Price	**18/6**	**21/9**	**25/3**	**39/-**	**46/9**	**80/-** ea.

GRINDSTONE SPINDLE.

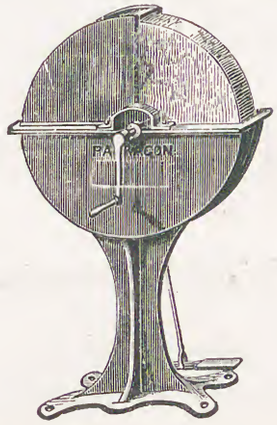


No. 3873.—Japanned.

Diameter of Friction Wheels	2	2½	3 ins.
Extreme Length of Spindles	15½	17	20 ,,
Price	**2/6**	**3/6**	**4/9**

Per set.

GRINDSTONE IN TROUGH ON STAND.



No. 3874.—Without Hood.

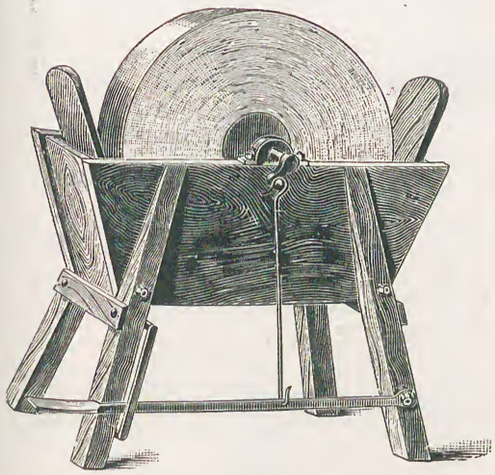
Sizes	18 in.	20 in. stone.
Price	**40/-**	**47/6** each.

No. 3875.—With Hood as drawn.

Sizes	18 in.	20 in. stone.
Price	**47/-**	**57/-** each.

If fitted with Treadle, **6/3** extra.

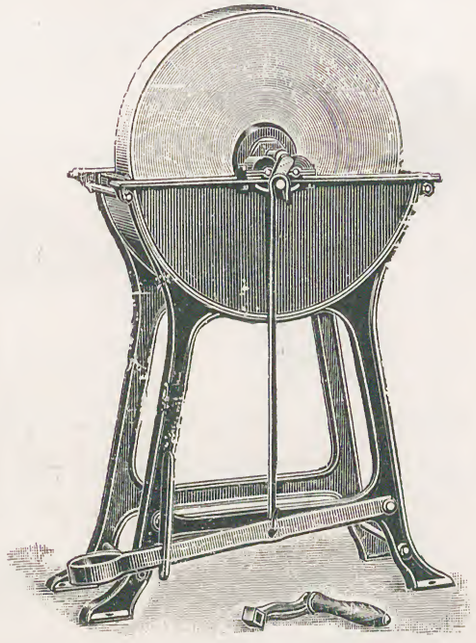
GRINDSTONES IN TROUGHS.



No. 3876.

Wood Trough fitted with Roller Bearings, and best quality Grit Stone, Handle and Treadle.

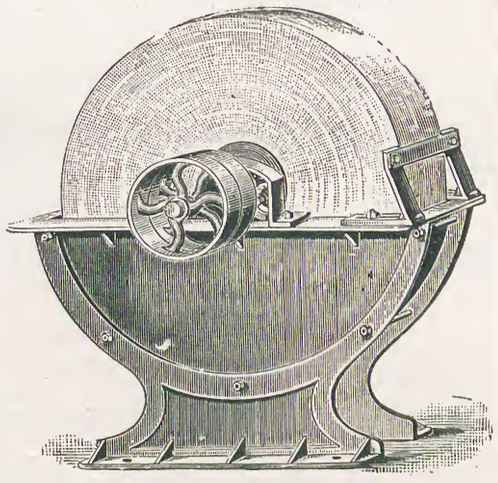
Sizes.				Price.
18 ins. diam.	× 3	ins. wide ..		**69/6** each.
24 ,,	× 3½	,,	..	**88/-** ,,
30 ,,	× 4	,,		**134/-** ,,



No. 3877.

Iron Trough, Roller Bearings, Handle and Treadle, and best quality Grit Stone.

Sizes.				Price.
16 ins. diam.	× 3	ins. wide ..		**44/-** each.
18 ,,	× 3	,,	..	**45/6** ,,
20 ,,	× 3	,,	..	**48/6** ,,
22 ,,	× 3½	,,	..	**52/-** ,,
24 ,,	× 3½	,,	..	**55/-** ,,



No. 3879.

Iron Trough fitted with Carriage Brasses, Moveable Slide Rest, Fast and Loose Pulleys, and best Grit Stone, turned up true.

Sizes.				Price
24 ins. diam.	× 3½	ins. wide		**116/6** each
30 ,,	× 4	,,		**141/6** ,,
36 ,,	× 4	,,		**190/9** ,,
42 ,,	× 5	,,		**262/6** ,,
48 ,,	× 6	,,		**330/3** ,,

No. 3878.—Fitted with Handle and Treadle instead of Pulleys.

24	30	36	42	48 inch.
109/-	**132/-**	**176/-**	**242/-**	**303/-** each.

BRACES, DRILLS, BITS, &c.

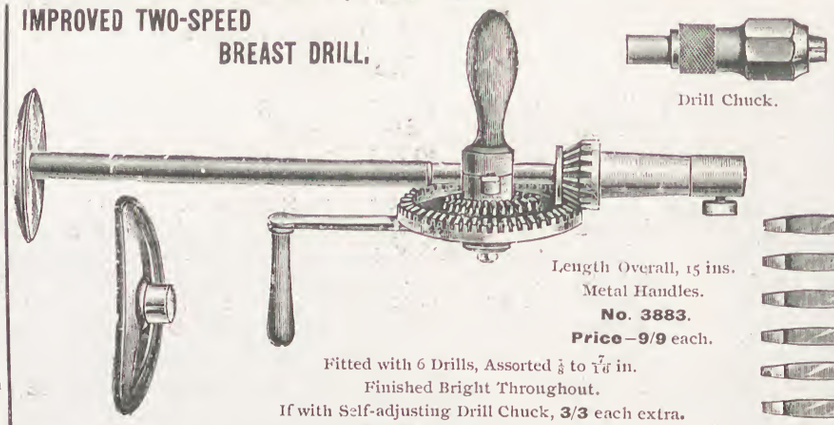
CARPENTERS' BRACES.



No. 3881.
Ratchet Brace.
Hardwood Head
and Handle.
10 in. sweep.

No. 3880. Plain Brace, Hardwood Head and Handle, 10 in. sweep Steel Jaws, Bright ... ... **3/6** each
No. 3881. Ditto, with Ratchet, as drawn ... ... **6/9** ,,
No. 3882. Ditto, with Ratchet and Ball Bearing Head and Nickel-plated ... ... **10/-** ,,

IMPROVED TWO-SPEED BREAST DRILL.



Drill Chuck.

Length Overall, 15 ins.
Metal Handles.
No. 3883.
Price—9/9 each.

Fitted with 6 Drills, Assorted $\frac{3}{8}$ to $\frac{7}{16}$ in.
Finished Bright Throughout.
If with Self-adjusting Drill Chuck, **3/3** each extra.
With **either** Circular or Oval Breast Plate.

BITS AND SCREW AUGERS.



No. 3884. Centre Bits.



No. 3885. Gedge's Bits.



No. 3886. Jenning's Bits.

	Sizes,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$ in.
No. 3884.		5/-	5/-	5/6	5/9	6/-	7/-	8/3	9/3	11/3 dozen.
,, **3885.**		16/-	16/-	16/-	19/3	22/6	28/-	31/6	35/-	43/6 ,,
,, **3886.**		16/9	16/9	19/6	24/-	28/-	37/6	49/-	56/-	70/- ,,

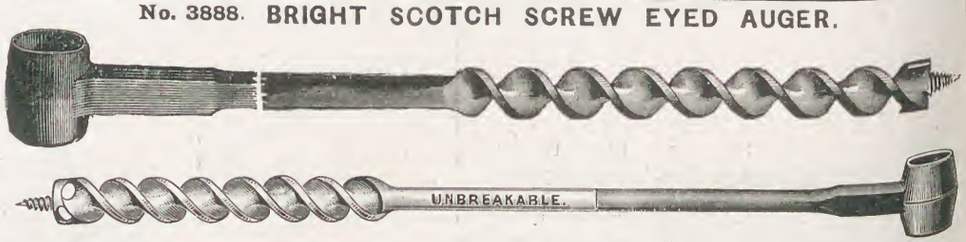
No. 3887. Cast Steel Bits in Sets, Assorted.

In Sets of	12	18	24	30	36	42	48	
Bright ...	5/3	8/-	10/6	13/3	17/-	19/-	22/3	per set.



No. 3891. Clark's Patent Expansive Bits.
Cutting $\frac{1}{2}$ to $1\frac{1}{2}$ in., **6/3** each. Cutting $\frac{7}{8}$ to 3 ins. **9/6** each.

No. 3888. BRIGHT SCOTCH SCREW EYED AUGER.



No. 3890. EYED WHITEHOUSE'S "UNBREAKABLE."

	Sizes,	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 ins.
No. 3888.	Scotch Auger, Eyed	18/6	18/6	20/9	25/3	27/6	31/3	40/-	48/-	68/- dozen.
,, **3889.**	Ditto Tanged	17/-	17/-	19/6	23/-	25/6	28/9	36/9	45/9	64/- ,,
,, **3890.**	Whitehouse's, Eyed	20/9	20/9	23/6	28/3	31/-	35/-	45/-	54/-	76/6 ,,

ARCHIMEDIAN DRILLS AND BITS.



No. 3893. With Red Wood Head and Handle, Plain Pad, Strong, with 6 Bits.

Sizes, 8	10	12 ins.
Prices—1/9	**2/6**	**3/-** each.

RATCHET DRILL BRACE.



No. 3892. Best Quality.

We Can Supply a Cheaper Quality.

Sizes, 10 12 14 16 18 20 24 ins.
Prices, 11/3 13/3 15/6 17/9 20/- 22/3 26/9 each.

Best Cast Steel Drills, assorted sizes, up to $1\frac{1}{2}$ in. **13/-** per dozen.

CRANK BRACE.



No. 3894
10/3 each.

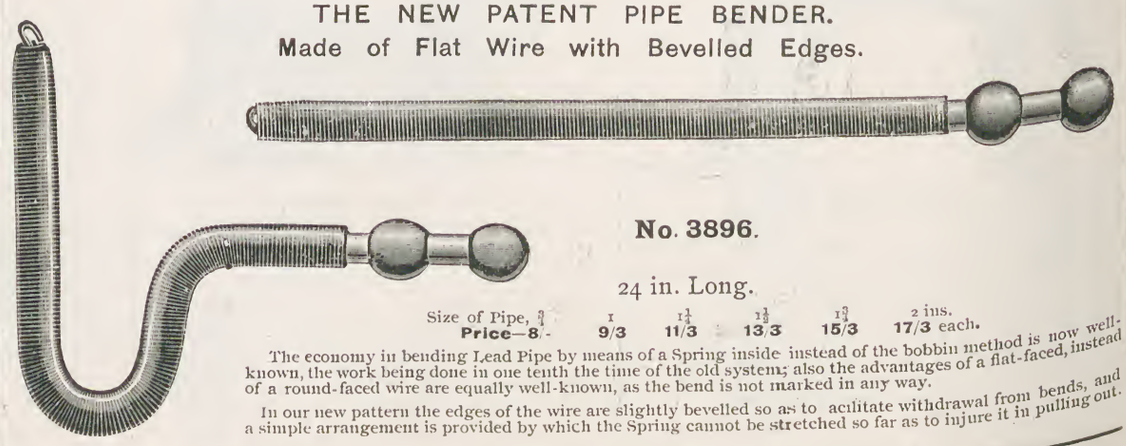
IMPROVED SERVICE FORCER.



For Cleaning Gas Mains or the internal fittings of a House.
Price—80/- Each.

No. 3895.
Complete with Air Vessel, 2 ft. Strong Wired I.R. Hose, Stop Cock and 2 Connections.

THE NEW PATENT PIPE BENDER.
Made of Flat Wire with Bevelled Edges.



No. 3896.

24 in. Long.

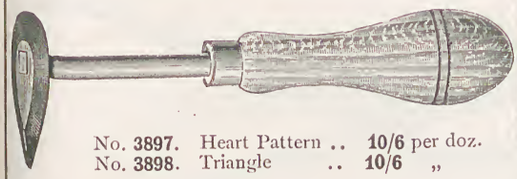
Size of Pipe,	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 ins.
Price—8/-		**9/3**	**11/3**	**13/3**	**15/3**	**17/3** each.

The economy in bending Lead Pipe by means of a Spring inside instead of the bobbin method is now well-known, the work being done in one tenth the time of the old system; also the advantages of a flat-faced, instead of a round-faced wire are equally well-known, as the bend is not marked in any way.

In our new pattern the edges of the wire are slightly bevelled so as to acilitate withdrawal from bends, and a simple arrangement is provided by which the Spring cannot be stretched so far as to injure it in pulling out.

PLUMBERS' AND TINMEN'S TOOLS.

SHAVE HOOKS.



No. **3897.** Heart Pattern .. **10/6** per doz.
No. **3898.** Triangle .. **10/6** „

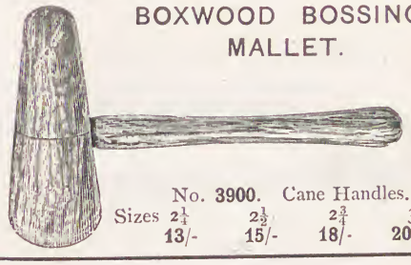
TINMAN'S BOXWOOD MALLET.



No. **3899.** Ash Handles.

Sizes	2¼	2½	2¾	3 inches.
	12/-	**12/-**	**13/-**	**14/-** doz.

BOXWOOD BOSSING MALLET.



No. **3900.** Cane Handles.

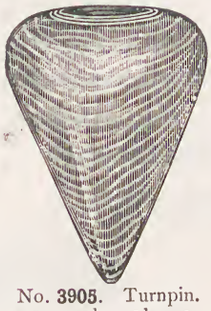
Sizes	2¼	2½	2¾	3 ins.
	13/-	**15/-**	**18/-**	**20/-** doz.

BOXWOOD DRESSER, &c.



No. **3901.** Polished Dressers.
No. **3902.** Bending Sticks,
No. **3903.** Bossing Sticks.
No. **3904.** Setting-in Sticks.
Small **24/-** Large **36/-** per dozen.
All above same prices.

BOXWOOD TURNPINS AND BOBBINS.





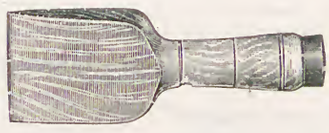
Same prices.

No. **3905.** Turnpin. No. **3906.** Bobbin.

Sizes	1	1¼	1½	2	2½	3	3½	4	5 ins.
	2/6	**2/9**	**3/6**	**4/6**	**8/-**	**11/-**	**15/-**	**20/-**	**36/-** doz.

No. 3907. Set of Bobbins or Turnpins, 1 to 5 ins. **9/-** per set.

BOXWOOD CHASE WEDGES.

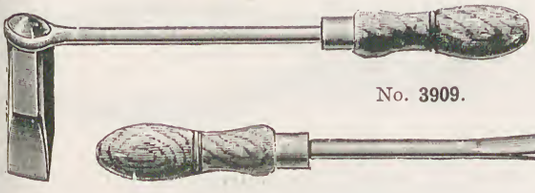


No. **3908.**

Turned and Ferruled.

Sizes	2	2½	3	3½	4 inches.
	13/-	**14/-**	**16/-**	**20/-**	**24/-** dozen.

TINMEN'S SOLDERING IRONS.



No. **3909.**



No. **3910.**

Either pattern .. .. .. **1/3** per lb.
Under 1 lb. charged as 1 lb.

No. **3911.** Plumbers' Irons, Filed Knobs, Handles Blacked.. **6**d. per lb.



No. **3911.**

PATENT ACETYLENE GAS SOLDERING IRON.

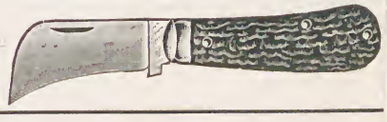


No. **3912.**

Invaluable for Soldering where fires cannot conveniently be carried. One charge of Carbide of Calcium will keep up a constant heat for about an hour at a cost of less than one halfpenny. The carbide may be carried loose in a tin box or small bag, sufficient for one charge. Perfectly safe, simple, strong and durable .. .. **15/-** each.

No. **3914.**

PLUMBER'S KNIFE.



1/6 each.

BILLING'S PATENT LEAD PIPE BENDER.



No. **3913.** Sizes	1	1¼	1½	2	2½	3	3½	4 inches.
Price	**2/6**	**3/-**	**4/-**	**5/6**	**11/-**	**15/6**	**19/3**	**23/-** each

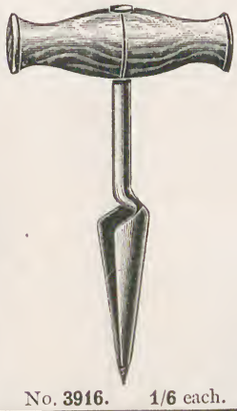
PLUMBERS' MELTING LADLES.



No. **3915.**

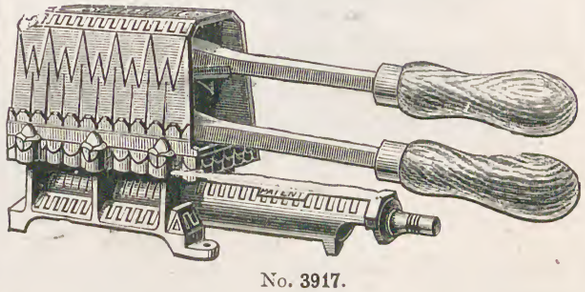
Sizes	3	4	5	6	7	8 inches.
	5/-	**7/-**	**10/-**	**13/-**	**22/-**	**30/-** doz.

PLUMBERS' PIPE OPENER.



No. **3916.** **1/6** each.

COPPER BIT HEATER FOR GAS.



No. **3917.**

For Small Light Soldering Bolts. This will heat one bit and keep another nearly ready for use, so that the two can be used in succession.

4/3 each. Irons extra.

PLUMBERS' POTS.



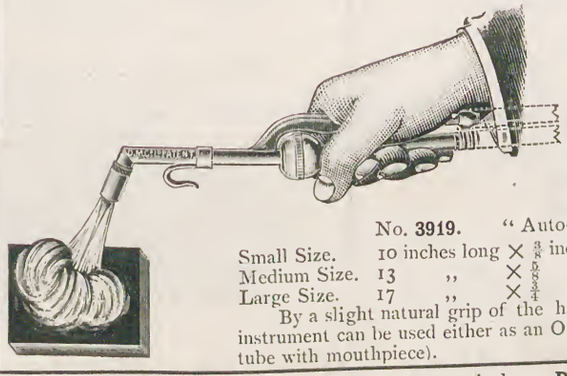
No. **3918.**

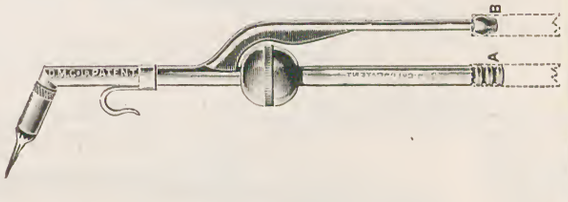
Diameter	5	5½	6	6½	7 ins.
Price	**11d.**	**1/-**	**1/3**	**1/5**	**1/8** ea.
Diameter	8	9	10	11	12 ins.
Price	**2/-**	**2/9**	**3/9**	**4/6**	**5/3** ea.

Fitted with Bail Handles, from **6**d. extra.



BLOW PIPE.





No. **3919.** "Auto-Grip" Blow Pipe. Lacquered Brass.

Small Size.	10 inches long × ⅜ inch Tube	**15/3** each.
Medium Size.	13 „ × ⅜ „	**18/6** „
Large Size.	17 „ × ½ „	**22/6** „

By a slight natural grip of the hand, any variety of flame can be instantly obtained, and the instrument can be used either as an Oxygen Blowpipe or as a Mouth Blowpipe (with a flexible air tube with mouthpiece).

No. **3920. Blow Pipes.** Sizes, 8, 9, 10, 12 inches. **Price 6/3** per doz. assorted.

PINCERS, PLIERS, CUTTERS, &c.

TOWER PINCERS.



No. **3921.**

Sizes, 6½ 7 8 9 inch.
12/- **13/3** **18/9** **24/-** per doz.

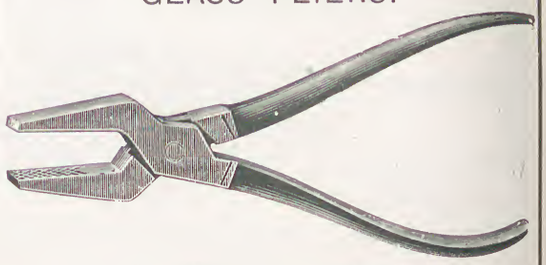
TOWER CUTTING NIPPERS.



No. **3922.**

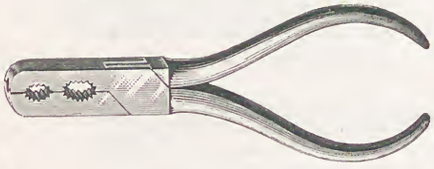
Sizes, 7 8 9 inch.
20/- **26/6** **36/-** per dozen.

GLASS PLIERS.



No. **3923.** Wrought Steel.
Sizes, 5 6 7 8 inch.
23/6 **26/-** **32/-** **37/6** per doz.

BURNER PLIERS.



No. **3924.** Burner Pliers.
6 in., Two hole, Bright, **16/6** per dozen.

GAS PLIERS.



No. **3925.** Gas Pliers, Two Holes.

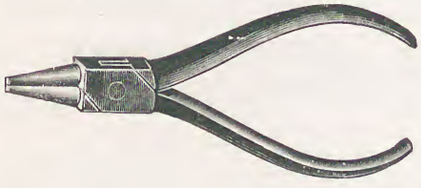
Sizes, 8 10 12 inch.
20/- **28/-** **36/-** per dozen.

GAS PLIERS.



No. **3926.** Improved Gas Pliers.
With Rimer, Turnscrew and Cutter.
Sizes, 7 8 9 inch.
27/- **30/-** **33/6** per dozen.

BELLHANGERS' PLIERS.



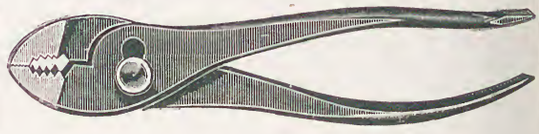
No. **3927.** Round. No. **3928.** Flat.
Bellhangers' Pliers, Flat or Round Nose.
Bright. 5½ inch. **10/6** per dozen.

COMBINATION PLIERS.



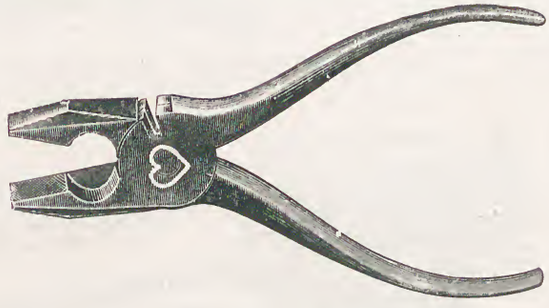
No. **3929.** "Combination" Pliers, Burner Hole, Wire Cutter, Two Cutters in Joint, Turnscrew and Rimer.
Size 7 inch, **24/-** per dozen.

INTERCHANGEABLE PLIERS.



No. **3930.** Interchangeable Pliers.
With Pipe Grip, Wire Cutter and Screw Driver.
Gripping Pipes from ⅛ to 1¼ in. diam., length 6½ in.
28/6 per dozen.

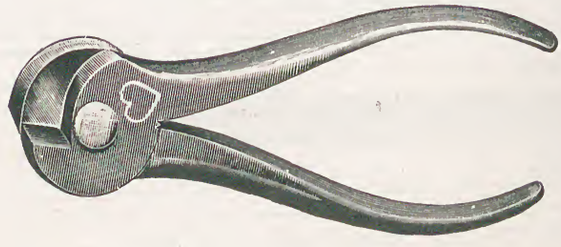
BELLHANGERS' OR ELECTRICIANS' PLIERS.



No. **3931.** With Cutter in Joint.

Sizes .. 6 7 8 inch.
20/- **24/9** **35/-** per dozen.

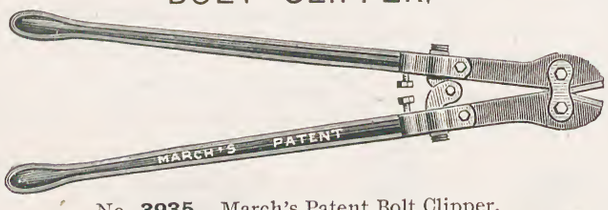
WIRE CUTTERS.



No. **3932.** Fencing Wire Cutters.
Length 6 inch. Will cut up to 6 W.G. Wire.

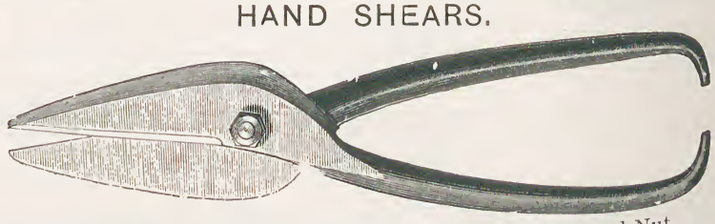
No. **3932.** Black Lancashire .. .. **21/6** per dozen.
,, **3933.** Bright Lancashire .. .. **25 9** ,,
,, **3934.** With Spring .. .. .. **6/-** ,, extra.

BOLT CLIPPER.



No. **3935.** March's Patent Bolt Clipper.
To cut ½ in. Bolts for Coachbuilders .. .. **25/-** each.
Heavier, for Wheelwrights .. .. .. **32/-** ,,

HAND SHEARS.



No. **3936.** All Steel Hand Shears. Fitted with Bolt and Nut.
12 inch, EXTRA STRONG. **Price 4/9** each.

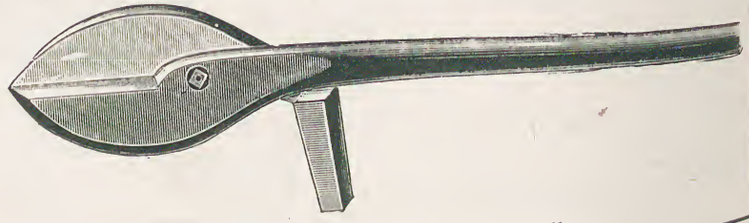
TINMAN'S SNIPS.



Sizes, 6 8 10 12 inch.

No. **3937.** As Drawn **16/-** **19/-** **25/-** **36/-** per dozen.
,, **3938.** Bent Blades — **26/6** **34/6** **47/6** ,,
,, **3938A.** Patent Tinman's Shears, with Spring Lever Movement .. 8 **5/-** 10 **6/-** 12 inch. **7/-** pair.

BRAZIER'S BLOCK SHEARS.



No. **3939.** 16 lb. and larger, **1/5** per lb.

SPANNERS AND WRENCHES.



No. **3940**. Double Ended Wrought Steel Spanner.

Lengths, 6	7½	8½	10	12½	14	16	18	ins.
Span Sizes, ½×⅝	⅝×¾	¾×⅞	⅞×1	1⅛×1¼	1⅜×1½	1½×1⅝	1⅝×1¾	,,
Prices—10d.	**1/1**	**1/2**	**1/6**	**2/6**	**3/3**	**3/9**	**4/6**	each.

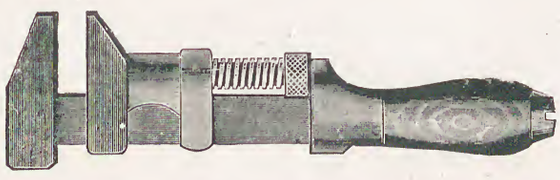
FIRST QUALITY.



No. **3941.** Single Ends, Wrought Steel Spanner.

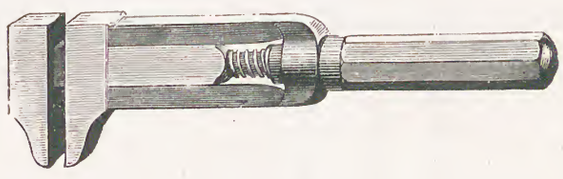
Lengths, 6	8	9	12	15	17	21	23 ins.
Span Sizes, ⅝	⅞	1	1¼	1½	1¾	2	2¼ ,,
Prices—8d.	**1/-**	**1/2**	**1/9**	**2/6**	**3/3**	**4/-**	**4/6** each.

FIRST QUALITY.



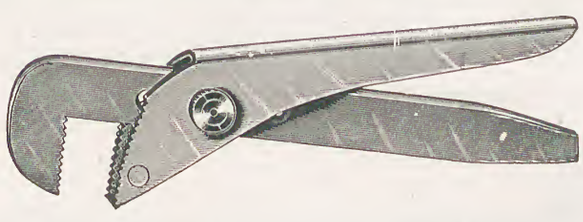
No. **3942**. Agricultural Wrench, Black, Wrought Iron Bar, Head and Screw, Wood Handle.

Sizes, 6	8	10	12	15	ins.
Prices—1/4	**1/6**	**1/9**	**2/2**	**3/6**	each.



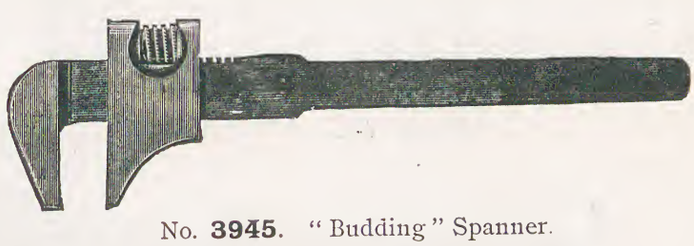
No. **3943**. Double Coach Wrench, Very Strong.

Sizes, 8	10	12	14	16	18 ins.
Prices—5/6	**6/3**	**7/-**	**9/6**	**12/9**	**15/9** each.



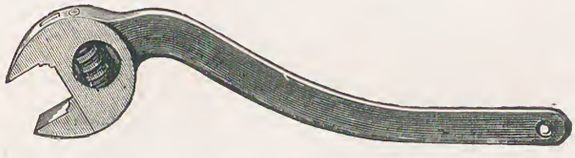
No. **3944**. "Footprint" Pattern Wrench.

Sizes, 7	9	12	14	16	21	ins.
Prices—1/6	**2/3**	**3/6**	**4/6**	**7/3**	**12/6**	each.



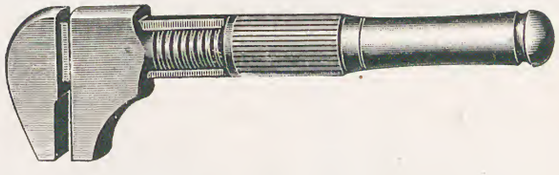
No. **3945**. "Budding" Spanner.

Sizes, 10	12	14	ins.
Prices—5/9	**7/9**	**8/9**	each.



No **3946**. "Clyburn" Spanner.
Entirely made of Wrought Steel.

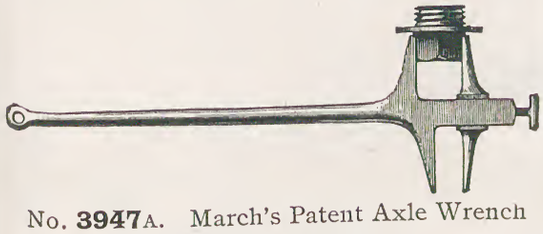
Length, 8	10	12	15	18	21	24	ins.
Span, ¾	1	1¼	1½	1¾	2	2¼	,,
Prices—4/3	**5/-**	**6/3**	**7/6**	**8/6**	**9/9**	**12/-**	each.



No. **3947**. Palmer's Registered Screw Wrench.

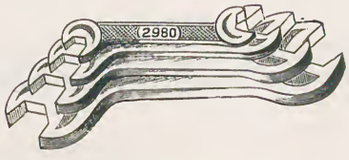
These Wrenches having fixed handles, when once adjusted by the milled collar to the nut or bolt, will not unscrew or relax their hold in using. They are made of the Best Forged Wrought Iron and Steel Jaws; well finished all over.

Length, 8	10	12	14	16	ins.
Span, 1¼	1¾	2¼	2½	3	,,
Prices—7/6	**9/-**	**11/-**	**13/6**	**16/-**	each.



No. **3947A**. March's Patent Axle Wrench for Cap and Nut.

Coachbuilder's Size ..	..	.. **11/6** each.
Wheelwright's ,, (larger)	..	**14/3** ,,



No. **3948**. Malleable Spanners.

In set of four, one each of the following,

⅜×½, ⅝×¾, ⅞×1, 1⅛×1¼ in.

1/4 per set of four.

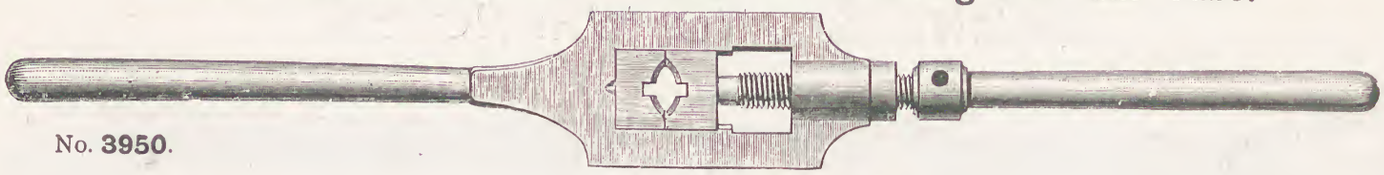


No. **3949**. Axle Spanner, Black.

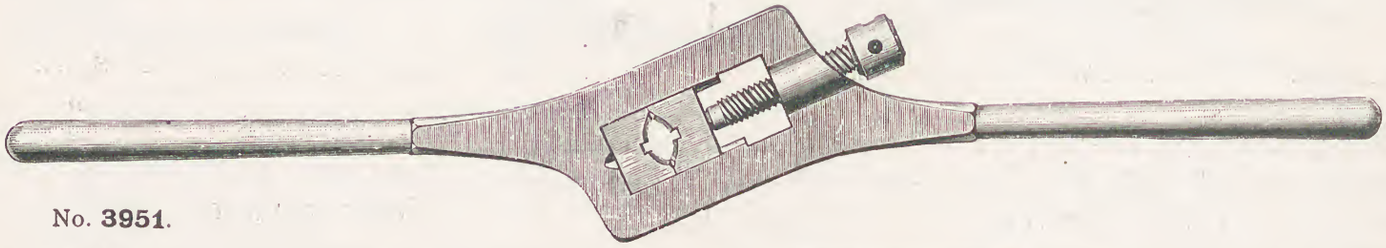
Sizes, 2⅛×1⅛, 2¼×1⅛, 2⅜×1¼, 2½×1¼ in.

Prices—1/- **1/1** **1/2** **1/3** each

BRIGHT SCREW STOCKS AND DIES for Screwing Iron Gas Tube.



No. **3950**.



No. **3951**.

To Screw	Either pattern, With Taper, and Plug Taps to each size. £	s.	d.
¼ ⅛ ..	0	12	3
⅜ ¼ ..	0	14	9
⅜ ¼ ⅛ ..	0	19	0
½ only ..	0	16	9
½ ⅜ ..	1	1	9
½ ⅜ ¼ ..	1	6	6
½ ⅜ ¼ ⅛ ..	1	12	6
⅝ ½ ⅜ ..	1	13	0
¾ only ..	1	5	3
¾ ½ ..	1	12	3
¾ ½ ⅜ ..	1	19	3
¾ ⅝ ½ ..	1	19	3
¾ ⅝ ½ ⅜ ..	2	4	9

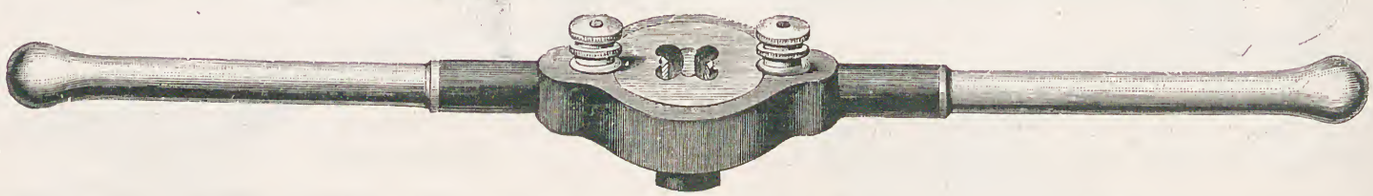
To Screw	Either pattern, With Taper, and Plug Taps to each size. £	s.	d.
¾ ½ ⅜ ¼	2	4	9
¾ ⅝ ½ ⅜ ¼	2	12	6
1 only	1	8	9
1 ¾	1	16	6
1 ¾ ½	2	4	0
1 ¾ ½ ⅜	2	11	9
1 ¾ ⅝ ½	2	14	0
1 ¾ ½ ⅜ ¼	3	3	0
1¼ only	1	19	0
1¼ 1	2	7	9
1¼ 1 ¾	2	18	9
1¼ 1 ¾ ½	3	10	0
1¼ 1 ¾ ½ ⅜	4	0	0

To Screw	Either pattern, With Taper, and Plug Taps to each size. £	s.	d.
1½ only	3	0	0
1½ 1¼	3	19	0
1½ 1¼ 1	4	11	0
1½ 1¼ 1 ¾	5	3	0
1½ 1¼ 1 ¾ ½	5	16	9
1¾ only	3	5	9
1¾ 1½	4	6	9
1¾ 1½ 1¼	5	1	6
1¾ 1½ 1¼ 1	6	1	9
2 only	3	10	0
2 1½	4	11	0
2 1½ 1¼	5	12	0
2 1½ 1¼ 1	6	9	6

To Screw	Either pattern, With Taper, and Plug Taps to each size. £	s.	d.
2 1¾ 1½	6	1	6
2 1¾ 1½ 1¼	6	16	6
2¼ only	4	7	6
2¼ 2	6	1	6
2¼ 2 1½	7	7	6
2½ only	5	15	6
2½ 2¼	7	17	6
2½ 2 1½	8	13	0
2½ 2¼ 2	9	16	0
2½ 2 1¾ 1½	10	10	0
3 only	8	19	6

EITHER PATTERN SAME PRICE.

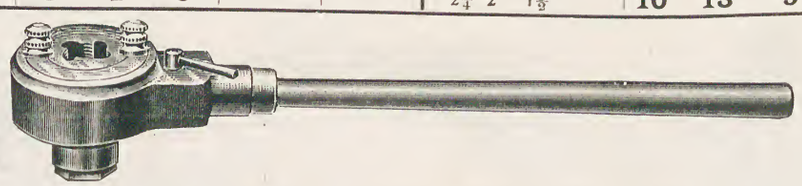
SOLID DIE STOCKS for Screwing Iron Gas Tube at once over.



No. **3952**.

To Screw	With Taper and Plug Taps. £	s.	d.	Without Taps. £	s.	d.	Extra Dies.	Extra Guides.
							each	each
⅜ ¼	1	1	0	0	14	9	3/6	1/6
⅜ ¼ ⅛	1	8	6	1	0	0		
½ ⅜	1	9	6	1	2	0		
½ ⅜ ¼	1	16	3	1	5	9	4/9	1/9
½ ⅜ ¼ ⅛	2	4	3	1	11	6		
¾ ½	2	0	0	1	10	0		
¾ ½ ⅜	2	9	6	1	16	3	6/6	2/6
¾ ½ ⅜ ¼	3	1	0	2	4	9		
1 ¾	2	9	6	1	16	3		
1 ¾ ½	3	0	0	2	2	3		
1 ¾ ½ ⅜	3	13	0	2	11	9	7/6	3/-
1 ¾ ½ ⅜ ¼	3	14	9	2	11	9		
1 ¾ ½ ⅜ ¼	4	5	6	3	1	9		

To Screw	With Taper and Plug Taps. £	s.	d.	Without Taps. £	s.	d.	Extra Dies	Extra Guides.
							each	each
1¼ 1	3	6	6	2	8	0		
1¼ 1 ¾	4	5	6	3	1	3	10/-	3/6
1¼ 1 ¾ ½	5	2	6	3	14	9		
1½ 1¼	4	11	3	3	7	0		
1½ 1¼ 1	5	14	0	4	2	9	13/6	4/6
1½ 1¼ 1 ¾	6	16	9	4	19	9		
2 1½	6	3	6	4	4	6		
2 1½ 1¼	7	12	0	5	2	6		
2 1½ 1¼ 1	9	0	0	6	3	6	17/-	6/-
2 1¾ 1½ 1¼	9	14	9	6	5	6		
2 1¾ 1½ 1¼ 1	11	4	3	7	7	3		
2¼ 2	8	12	0	5	8	3		
2¼ 2 1½	10	13	9	6	15	9	21/-	7/6



No. 3953. Double Action Ratchet Stocks,
With Solid Dies, for Screwing Iron Gas Tube at once over. Specially for screwing in confined spaces.
Works with Backward and Forward Motions.

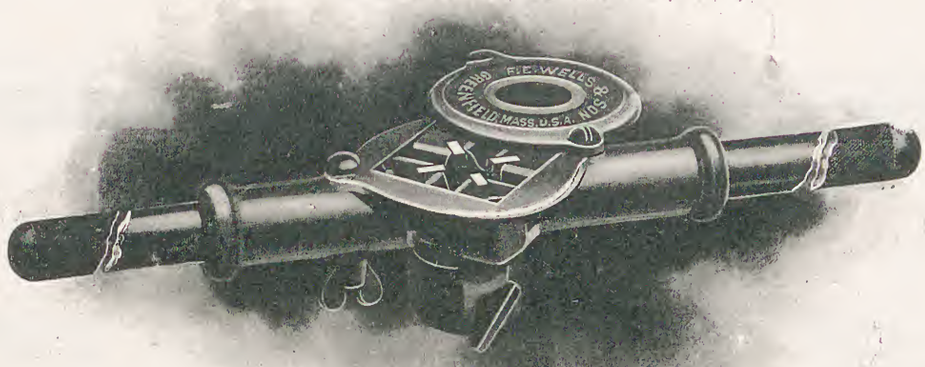
	To Screw 1 ¾ ½	1¼ 1 ¾	1½ 1¼ 1	2 1½ 1¼ in. Iron Gas Tube.
Stocks with Dies and Guides only, no Taps..	66/-	88/-	110/-	132/- per set.

"ECONOMY" STOCKS AND DIES.

They are Made for Strength.

They cut True to Size.

Non-Slipping Handles.



Light, Strong, Efficient.

They are Wonderfully Good Value.

TRY THEM!

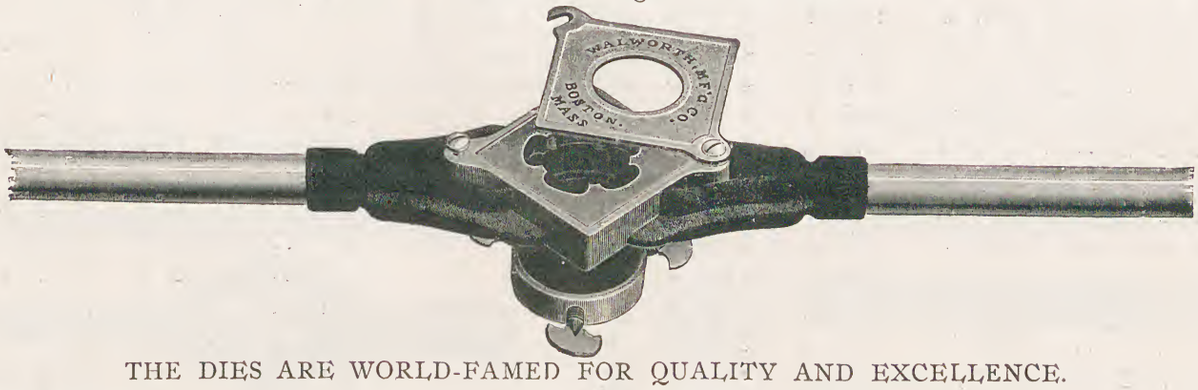
No. 3954.

STOCKS, DIES, AND BUSHINGS, IN SETS.

No.	To Cut Pipes.	Dimensions of Die, inches.	Price, each.	Extra Dies. Price, each.	Extra Stocks. Price, each.	Extra Bushings. Price, each.
o	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$	2 × 2 × $\frac{1}{2}$	17/-	2/9	6/6	5d
1	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	$2\frac{1}{2}$ × $2\frac{1}{2}$ × $\frac{3}{4}$	26/-	3/9	9/-	8d.
$1\frac{1}{2}$	$\frac{3}{4}$, 1, $1\frac{1}{4}$	3 × 3 × $\frac{3}{4}$	23/6	4/6	10/6	11d.
2	$1\frac{1}{4}$, $1\frac{1}{2}$, 2	4 × 4 × $\frac{7}{8}$	35/-	6/6	17/-	1/1

"WALWORTH" PATENT SOLID DIE STOCK.

No. 3955.—For Screwing Iron Gas Tubes.



THE DIES ARE WORLD-FAMED FOR QUALITY AND EXCELLENCE.

Number of Stock.	Full Length of Stock.	To Screw.	Price.
No. o	29 ins.	$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ in.	18/9
,, oa	29 ,,	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$,,	15/9
,, ob	29 ,,	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$,,	18/9
,, oc	29 ,,	$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$,,	22/6
,, 1	36 ,,	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 ,,	30/-
,, 1a	36 ,,	$\frac{1}{2}$ $\frac{3}{4}$ 1 ,,	22/6
,, 1b	36 ,,	$\frac{1}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 ,,	33/9
,, $1\frac{1}{2}$	43 ,,	$\frac{3}{4}$ 1 $1\frac{1}{4}$,,	27/-
,, $1\frac{1}{2}$a	43 ,,	$\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$,,	33/-
,, $1\frac{1}{2}$b	43 ,,	$\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$,,	39/-

Per set, including Stock, Dies and Guides, complete in box.

Number of Stock.	Full Length of Stock.	To Screw.		Price.
No. $1\frac{1}{2}$c	43 ins.	$\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ in.		33/-
,, $1\frac{1}{2}$d	43 ,,	1 $1\frac{1}{4}$ $1\frac{1}{2}$,,		27/-
,, $1\frac{1}{2}$e	43 ,,	1 $1\frac{1}{4}$ $1\frac{1}{2}$,,	With Patent Leader Screws.	31/6
,, 2	51 ,,	$1\frac{1}{4}$ $1\frac{1}{2}$ 2 ,,		40/6
,, 2b	51 ,,	1 $1\frac{1}{4}$ $1\frac{1}{2}$ 2 ,,		48/9
,, 3	81 ,,	$2\frac{1}{2}$ 3 ,,		94/6
,, 3a	81 ,,	$2\frac{1}{4}$ $2\frac{1}{2}$ 3 ,,		114/-
,, 3b	81 ,,	2 $2\frac{1}{2}$ 3 ,,		114/-
,, 3c	81 ,,	2 $2\frac{1}{4}$ $2\frac{1}{2}$ 3 ,,		133/6
,, 4	81 ,,	$2\frac{1}{2}$ 3 ,,	With 4 hds.	105/-

Per set, including Stock, Dies, and Guides, complete in box.

GAS FITTERS' STOCKS AND DIES.



For Screwing Brass or Copper Tube.

No. 3956.

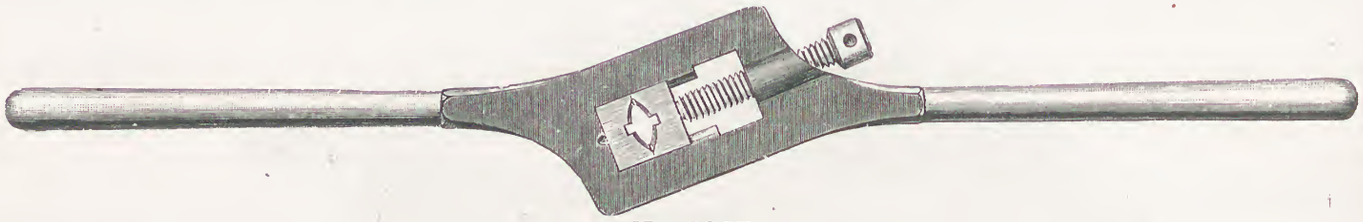
To Screw	$\frac{1}{2}$ $\frac{3}{8}$	$\frac{3}{8}$ $\frac{1}{4}$ $\frac{1}{8}$	$\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{4}$	$\frac{5}{8}$ $\frac{1}{2}$ $\frac{3}{8}$	$\frac{5}{8}$ $\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{4}$	$\frac{3}{4}$ $\frac{5}{8}$ $\frac{1}{2}$ $\frac{3}{8}$	1 $\frac{7}{8}$ $\frac{3}{4}$	1 $\frac{7}{8}$ $\frac{3}{4}$ $\frac{5}{8}$ in. Copper Tube.
Prices	**18/-**	**16/9**	**18/-**	**18/-**	**20/-**	**23/-**	**35/-**	**42/-** set.

(Includes $\frac{1}{4}$ in. Iron.)

With Taper and Plug Taps to each size

ENGINEERS' SCREW STOCKS, DIES, AND TAPS.

WHITWORTH'S STANDARD THREAD.



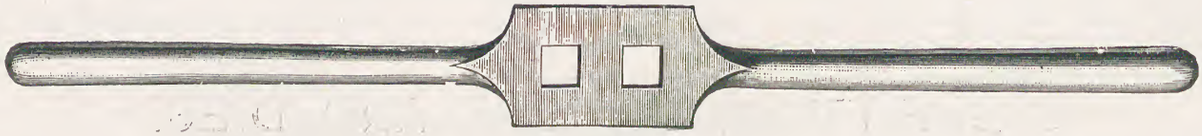
No. **3957**.

		With Taper, and Plug Taps to each size. £ s. d.	With Taper, Second, & Plug, Taps to each size. £ s. d.	With Taper, Second, Plug, & Master Taps to each size. £ s. d.
To Screw	3/8 1/4	18 0	1 1 9	1 6 0
,,	3/8 1/4 3/16 ..	1 2 0	1 6 0	1 12 0
,,	3/8 5/16 1/4 ..	1 2 6	1 7 0	1 13 6
,,	3/8 5/16 1/4 3/16 ..	1 7 0	1 13 3	2 0 6
,,	3/8 5/16 1/4 3/16 1/8	1 11 6	1 18 9	2 8 9
,,	7/16 3/8 5/16 1/4 ..	1 13 3	2 0 6	2 9 6
,,	1/2 3/8 1/4 ..	1 6 0	1 11 6	1 18 9
,,	1/2 7/16 3/8 ..	1 7 0	1 13 3	2 0 6
,,	1/2 3/8 5/16 1/4 ..	1 13 3	2 0 6	2 9 6
,,	1/2 7/16 3/8 5/16 ..	1 14 3	2 2 3	2 12 3
,,	1/2 7/16 3/8 5/16 1/4	2 1 6	2 10 6	3 2 0
,,	5/8 1/2 3/8 ..	1 9 3	1 17 0	2 6 0
,,	5/8 1/2 3/8 1/4 ..	1 15 3	2 4 3	2 15 0
,,	5/8 1/2 7/16 3/8 ..	1 16 0	2 5 0	2 16 9
,,	5/8 9/16 1/2 7/16 ..	1 18 9	2 8 6	3 2 0
,,	5/8 1/2 3/8 5/16 1/4	2 3 3	2 13 0	3 6 9
,,	5/8 1/2 7/16 3/8 5/16 1/4	2 10 6	3 3 0	3 18 6
,,	3/4 5/8 1/2 ..	1 16 0	2 5 0	2 16 9
,,	3/4 5/8 1/2 3/8 ..	2 3 3	2 14 0	3 8 6
,,	3/4 5/8 1/2 7/16 3/8	2 10 6	3 4 0	4 0 0
,,	7/8 3/4 5/8 ..	2 2 6	2 14 0	3 7 6
,,	7/8 3/4 5/8 1/2 ..	2 10 6	3 4 0	4 1 0
,,	7/8 3/4 5/8 1/2 3/8	3 0 6	3 15 6	4 14 6
,,	I 3/4 1/2 ..	2 8 9	3 0 6	3 15 9
,,	I 3/4 5/8 ..	2 10 6	3 2 3	3 17 6
,,	I 3/4 5/8 1/2 ..	3 0 6	3 15 9	4 12 0
,,	I 7/8 3/4 ..	2 10 6	3 4 0	4 0 0
,,	I 7/8 3/4 5/8 ..	3 0 6	3 16 6	4 17 3
,,	I 7/8 3/4 5/8 1/2	3 9 6	4 8 3	5 10 9

		With Taper, and Plug Taps to each size. £ s. d.	With Taper, Second, & Plug Taps to each size. £ s. d.	With Taper, Second, Plug, & Master Taps to each size. £ s. d.
To Screw	1 1/8 1 7/8 ..	2 17 9	3 14 0	4 13 0
,,	1 1/8 1 7/8 3/4 ..	3 9 3	4 8 3	5 12 6
,,	1 1/8 1 7/8 3/4 5/8	4 0 0	5 3 0	6 10 0
,,	1 1/4 1 3/4 ..	2 17 9	3 14 0	4 13 0
,,	1 1/4 1 7/8 ..	2 17 9	3 15 0	4 14 6
,,	1 1/4 1 1/8 1 ..	3 0 0	3 17 6	4 19 0
,,	1 1/4 1 7/8 3/4 ..	3 9 6	4 10 0	5 14 6
,,	1 1/4 1 1/8 1 7/8 ..	3 11 0	4 14 0	6 1 0
,,	1 1/4 1 1/8 1 7/8 3/4	4 9 3	5 10 0	7 2 3
,,	1 3/8 1 1/4 1 1/8 1 ..	4 10 0	5 16 0	7 8 0
,,	1 1/2 1 1/4 1 ..	4 0 0	5 0 0	6 5 3
,,	1 1/2 1 3/8 1 1/4 ..	4 4 9	5 9 0	6 18 0
,,	1 1/2 1 1/4 1 1/8 1 ..	4 15 6	6 2 6	7 15 0
,,	1 1/2 1 3/8 1 1/4 1 1/8 ..	5 1 9	6 11 6	8 8 0
,,	1 1/2 1 3/8 1 1/4 1 1/8 1	5 19 0	7 14 0	9 16 3
,,	1 3/4 1 1/2 1 1/4 ..	5 17 0	7 8 0	9 1 0
,,	1 3/4 1 5/8 1 1/2 ..	6 5 0	8 0 0	9 19 0
,,	1 3/4 1 1/2 1 1/4 1 ..	7 0 0	8 16 6	10 16 0
,,	1 3/4 1 5/8 1 1/2 1 3/8 ..	7 6 9	9 11 0	11 19 0
,,	1 3/4 1 5/8 1 1/2 1 3/8 1 1/4	8 7 6	10 19 0	13 15 0
,,	2 1 1/2 1 1/4 ..	7 4 0	9 0 0	10 18 0
,,	2 1 3/4 1 1/2 ..	7 13 0	9 14 6	12 0 0
,,	2 1 7/8 1 3/4 ..	8 5 0	10 11 6	13 3 0
,,	2 1 3/4 1 1/2 1 1/4 ..	9 4 0	11 12 3	14 5 6
,,	2 1 7/8 1 3/4 1 5/8 ..	9 9 0	12 7 6	15 11 6
,,	2 1 7/8 1 3/4 1 5/8 1 1/2	10 7 0	13 15 6	17 10 3
,,	2 1/4 2 1 3/4 ..	9 0 0	11 16 0	14 17 0
,,	2 1/2 2 1/4 2 ..	10 16 0	14 11 0	18 9 0
,,	2 1/2 2 3/8 2 1/4 2 1/8 ..	14 12 6	20 0 0	25 13 0

ENGINEERS' TAP WRENCHES,

WITH CASE-HARDENED HOLES.



No. **3958**.

Size.	Price each.
3/16 1/8	2/6
1/4 3/16	3/-
5/16 1/4	3/6
3/8 5/16 1/4 ..	4/-
7/16 3/8	5/-
1/2 7/16	5/-
1/2 3/8	5/-

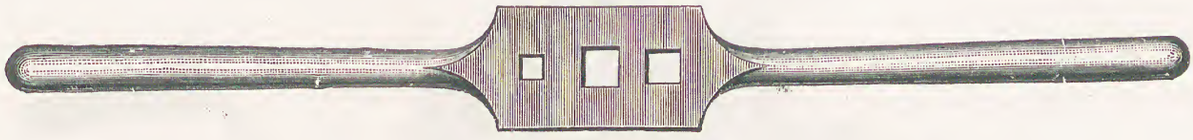
Size.	Price each.
5/8 1/2	6/-
3/4 5/8	7/6
7/8 3/4	9/-
I 7/8	10/-
1 1/8 I	10/-
1 1/8 I 7/8 ..	10/-

Size.	Price each.
1 1/4 1 1/8	12/-
1 1/4 1 1/8 I ..	12/-
1 3/8 1 1/4	14/-
1 1/2 1 1/4	16/-
1 1/2 1 3/8	16/-
1 3/4 1 5/8	18/-

Size.	Price each.
1 3/4 1 5/8 1 1/2 ..	20/-
2 1 7/8	20/-
2 1 7/8 1 3/4 ..	24/-
2 1 7/8 1 3/4 1 5/8	24/-
2 1/4 2 1/8	25/-
2 1/4 2	28/-

Size.	Price each.
2 1/4 2 1/8 2 ..	28/-
2 1/4 2 1/8 2 1 7/8	37/-
2 1/2 2 3/8	40/-
2 1/2 2 1/4	40/-
2 1/2 2 3/8 2 1/4 ..	40/-
2 1/2 2 3/8 2 1/4 2 1/8	

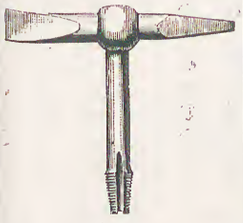
GAS FITTERS' TAP WRENCHES WITH CASE HARDENED HOLES.



No. **3959.**

Sizes.	Price each.	Sizes.	Price each.	Sizes.	Price each.	Sizes.	Price each.
$\frac{3}{8}$, $\frac{1}{4}$,	6/-	$\frac{5}{8}$, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$,	8/6	$\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$,	9/9	$1\frac{1}{4}$, 1, $\frac{3}{4}$	13/3
$\frac{3}{8}$, $\frac{1}{4}$, $\frac{1}{8}$,	7/-	$\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{8}$,	9/3	1, $\frac{3}{4}$, $\frac{1}{2}$,	11/3	$1\frac{1}{2}$, $1\frac{1}{4}$, $1\frac{1}{2}$	17/6
$\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$,	8/6	$\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$,	9/9	1, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$,	11/3	2, $1\frac{1}{2}$, $1\frac{1}{4}$	23/.

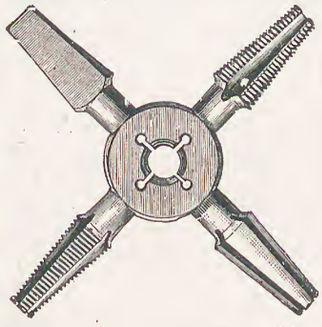
BURNER TAPS WITH RIMER AND TURNSCREW.



No. **3960.**

30/- per dozen.

FOUR LEG BURNER TAPS.

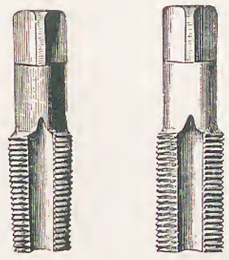


No. **3961.**

With $\frac{3}{8}$ in. Die, Rimer, Turnscrew, Burner Tap and $\frac{3}{8}$ in. Taper Brass Tap.

5/- each.

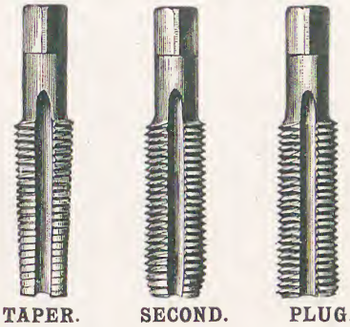
GAS TAPS.



TAPER. PLUG.

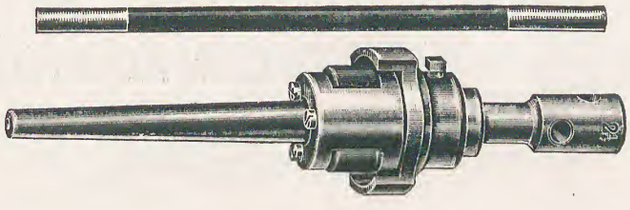
Sizes	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$ inch.
No. 3962. Gas Taps ..	1/3	1/7	2/-	2/6	2/9	3/3	4/6	6/-	7/6	11/3	14/6	20/9	27/- each
,, 3963. Master Gas Taps	1/7	2/-	2/6	3/-	4/-	4/9	6/6	8/6	11/3	15/3	20/-	27/-	33/6 ,,
,, 3964. Rimer	—	—	—	5/-	6/-	7/-	9/-	12/6	16/3	24/-	29/-	—	— ,,
,, 3965. Engineers' Taps	1/6	1/6	1/9	2/-	2/6	3/3	5/-	7/-	10/-	15/-	20/-	25/9	30/- ,,
,, 3966. ,, Masters	1/9	2/3	2/9	3/6	4/6	5/6	7/3	9/6	12/6	17/-	22/6	30/-	38/- ,,
,, 3967. Fluted Rimer ..	1/9	2/3	2/9	3/6	4/6	5/6	7/3	9/6	12/6	17/-	22/6	30/-	38/- ,,

ENGINEER'S TAPS.



TAPER. SECOND. PLUG.

TUBE EXPANDERS, Dudgeon's Pattern.

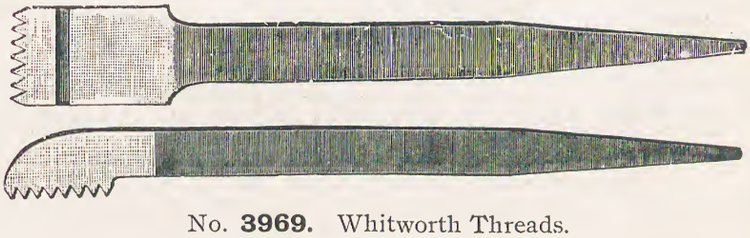


No. **3968.**

Sizes	1	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$ ins.
Prices	**13/6**	**13/6**	**13/6**	**13/6**	**15/9**	**17/-**	**17/-** each.
Sizes	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	3 ins.
Prices	**19/-**	**20/3**	**22/6**	**27/-**	**29/3**	**31/6**	**36/-** each.
Sizes	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	5 ins.
Prices	**39/-**	**45/-**	**49/6**	**54/-**	**58/6**	**63/-**	**78/9** each.

These sizes refer to the external diameter of Tube.

"SCREW" TOOLS.



No. **3969.** Whitworth Threads.

Prices	$\frac{1}{8}$ **2/3**	$\frac{3}{16}$ **2/3**	$\frac{1}{4}$ **2/3**	$\frac{5}{16}$ **2/3**	$\frac{3}{8}$ **2/3**	$\frac{7}{16}$ **2/3**	$\frac{1}{2}$ **2/6**	$\frac{5}{8}$ **2/6**	$\frac{3}{4}$ **2/9** per pair.
Sizes	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$ 2 inch.
Prices	**3/3**	**3/6**	**3/6**		**4/-**		**4/3**		**4/6** per pair

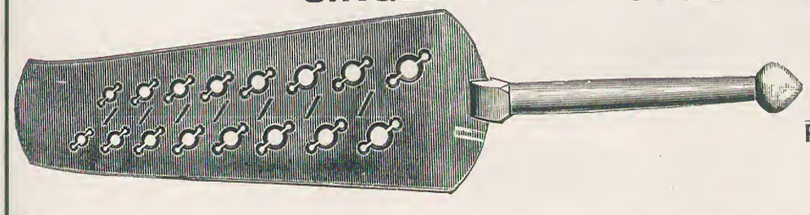
No. **3970.**

$4\frac{1}{2}$	5	6	7	8	9	10	11	12 Threads per in.
4/6	**3/6**	**2/9**	**2/6**	**2/3**	**2/-**	**1/9**	**1/6**	**1/6** per pair.

No. **3971.** Gas Threads.

$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch Iron Gas and upwards.
1/6	**1/6**		**1/6**	**1/9**	per pair.

SINGLE HAND CLOCK NOTCHED SCREW PLATE.



No. **3972.**

With Taps to each size, complete.

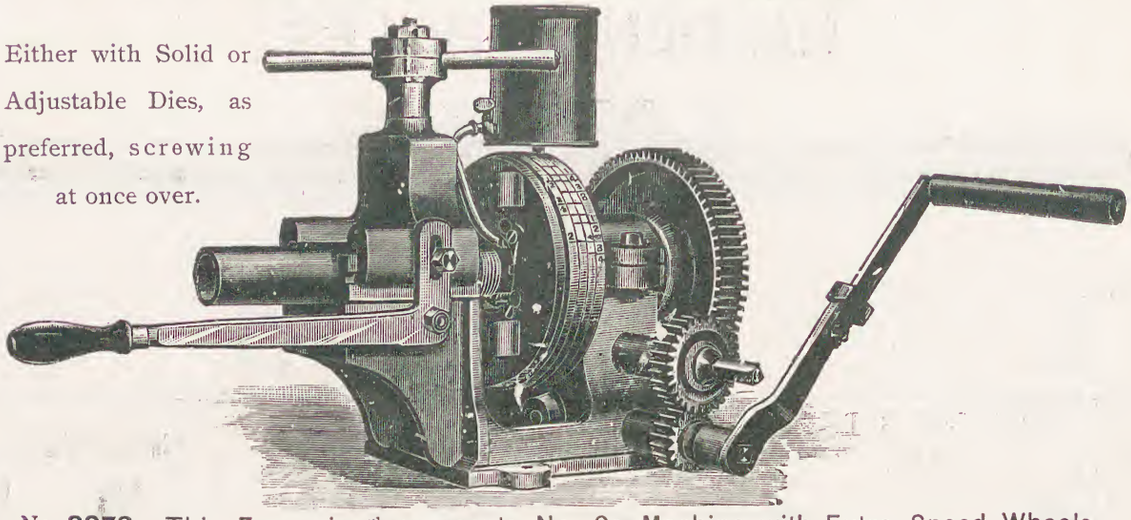
7	8	9	10	11	12	13	14	15	16	17	18 Sizes.
Prices **5/-**	**5/9**	**6/9**	**7/6**	**8/6**	**10/-**	**11/9**	**13/-**	**14/9**	**16/3**	**17/9**	**21/3** per plate.

If plain, **3**d. per size less.

IMPROVED PORTABLE HAND-POWER SCREWING MACHINE,

FOR IRON GAS TUBES OR BOLTS.

Either with Solid or Adjustable Dies, as preferred, screwing at once over.



No. **3973.** This Engraving represents No. 2a Machine with Extra Speed Wheels.

						With Adjustable Dies. £ s. d.	With Solid Dies. £ s. d.
No. 1a Size, for Screwing	¼	⅜	½	¾	1 in. Iron Gas Tubes, with three sets of Dies	8 6 6	7 8 0
,, 1a ,, ,,	½	⅝	¾	⅞	1 in. Bolts, Whitworth's thread, with five sets of Dies	9 12 0	7 8 0
,, 2a ,, ,,	1	1¼	1½	1¾	2 in. Iron Gas Tubes, with one set of Dies	12 0 0	12 0 0
,, 2a ,, ,,	¼	⅜	½	¾	1 1¼ 1½ 1¾ 2 in. Iron Gas Tubes, with three sets of Dies	13 17 6	13 9 0
,, 2a ,, ,,	1	1⅛	1¼	1⅜	1½ in. Bolts, Whitworth's Thread, with three sets of Dies	13 17 6	11 11 0
,, 2a ,, ,,	½	⅝	¾	⅞	1 1⅛ 1¼ 1⅜ 1½ in. Bolts, Whitworth's thread, with seven sets of Dies	17 11 6	13 0 0
,, 2c ,, ,,	1½	1¾	2	2¼	2½ 3 in. Iron Gas Tubes, with one set of Dies	18 19 6	18 19 6
,, 2c ,, ,,	1	1¼	1½	1¾	2 2¼ 2½ 3 in. Iron Gas Tubes, with one set of Dies	20 5 0	20 7 0
,, 3a ,, ,,	2	2¼	2½	3	3½ 4 in. Iron Gas Tubes, with one set of Dies	25 18 0	24 10 0

No. **3974.** Extra Solid Dies for Iron Gas Tube,	¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	4 in
	7/-	7/-	7/-	10/-	10/-	10/-	20/-	20/-	20/-	20/-	30/-	30/-	30/-	30/-	45/-	45/-	45/-

each.

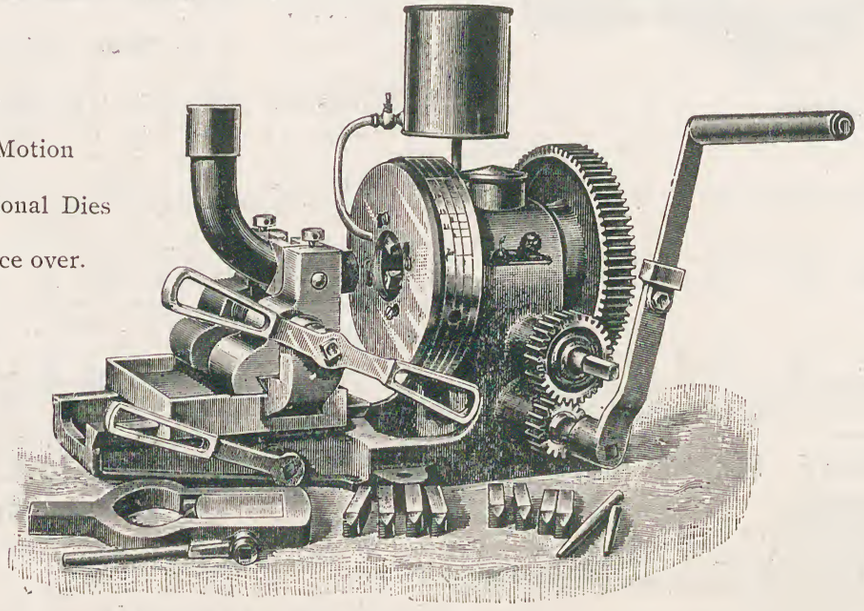
No. **3975.** Extra Solid Dies for Bolts				½		⅝		¾		⅞		1		1⅛		1¼		1⅜		1½ in.
				7/-		7/-		7/-		10/-		10/-		20/-		20/-		20/-		20/- each.
														1a		2a		2c		3c
No. **3976.** Extra Adjustable Dies														16/-		20/-		28/-		33/- per set.
,, **3977.** Cutting-off Apparatus, for Tube														16/-		28/-		30/-		33/- each.
,, **3978.** Extra Speed Wheels, for small sizes														20/-		25/-		32/-		40/- per pair.
,, **3979.** Extra Fitted with Fast and Loose Pulleys or Three-speed Cone, to work by power,														35/-		40 -		48/-		54/- each.
,, **3980.** Extra for Overhead Driving Gear														85/-		110/-		145/-		160/- ,,
,, **3981.** Extra if Mounted on Cast-iron Stand														40/-		50/-		70/-		85/- ,,

IMPROVED PORTABLE HAND-POWER SCREWING MACHINE,

FOR IRON GAS TUBES OR BOLTS.

No. **3982.**

With Releasing Motion and Adjustable Sectional Dies for screwing at once over.

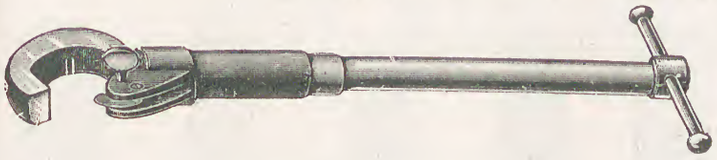


With Open Sliding Self-Centreing Jaws, specially suitable for Bends and Bent Tubes.

Machine with extra Speed Wheels for small sizes

PRICES OF No. 3982 ON APPLICATION.

TUBE CUTTERS AND WRENCHES.



As Tube Cutter only.

	No. 3983. One.	No. 3984. Three Wheel.
Sizes ¼ to 1 inch	**12/6**	**14/3** each.
„ 1¼ to 2 inches	**17/9**	**23/6** „

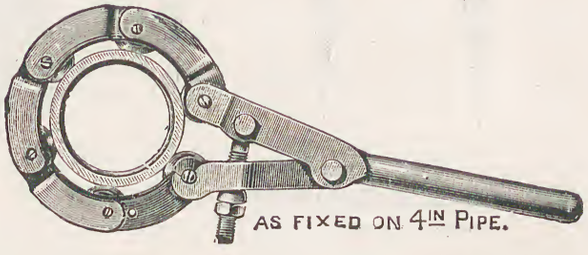
No. 3985. Extra Wheels Size 1 **12/-** Size 2 **15/-** per doz.



No. 3987. Special All Bright Steel Tube Cutter.

Three Wheel, Cuts ¼ to 2 inches .. .. **26/-** each.

No. 3988. Extra Wheels, **18/-** per dozen.



No. 3990. Patent Pipe Cutter for Wrought and Cast Tubes.

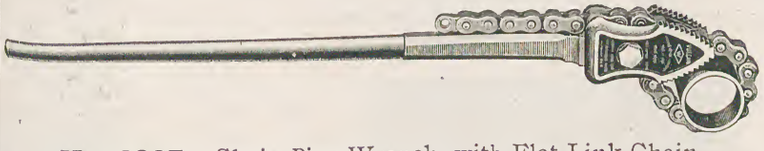
To Cut Pipes ¾ ins. to	1	1½	2	3	4	5	6	7	8 ins
No. of Wheels	3	4	5	8	9	10	11	12	13
Price	**22/9**	**31/3**	**38/6**	**64/3**	**73/3**	**82/3**	**91/6**	**100/-**	**110/-** ea.

No. 3991. Extra Wheels **24/-** per dozen.



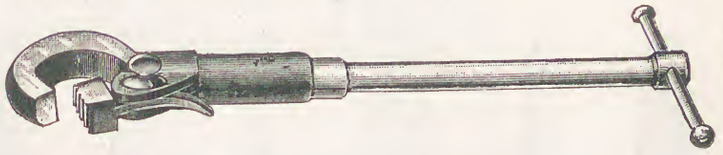
No. 3994. Pipe Tongs.

	¼	⅜	½	¾	1	1¼	1½	2 in.
No. 3994. For Pipes	**1/-**	**1/6**	**1/9**	**2/-**	**3/-**	**4/-**	**4/6**	**6/-** ea.
No. 3995. For Sockets	**1/9**	**2/-**	**3/-**	**4/-**	**4/6**	**6/-**	**8/-**	**10/-** „



No. 3997. Chain Pipe Wrench, with Flat Link Chain.

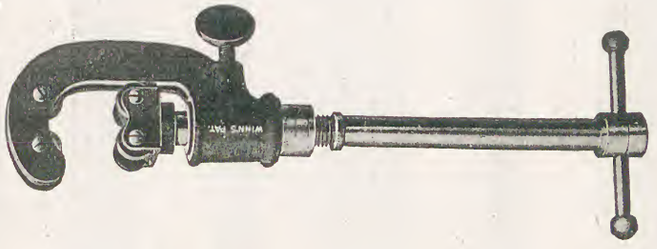
Size Pipe	⅛ to ¾	⅛ to 1½	¼ to 2½	¾ to 4	1 to 6 inch.
Length Overall	13¾	20	27	37	41½ ins.
Weight	1¾	4¾	8¾	16	21 lb.
Price	**9/6**	**13/-**	**18/6**	**26/-**	**32/8** each.
Extra Chains	**3/3**	**4/3**	**6/3**	**10/6**	**13/6** „
Extra Jaws	**4/3**	**7/6**	**11/6**	**16/9**	**19/9** pair.



No. 3986. As Tube Cutter and Wrench Combined.

Size ¼ to 1 inch **14/3** each. Size 1¼ to 2 inch **23/-** each.

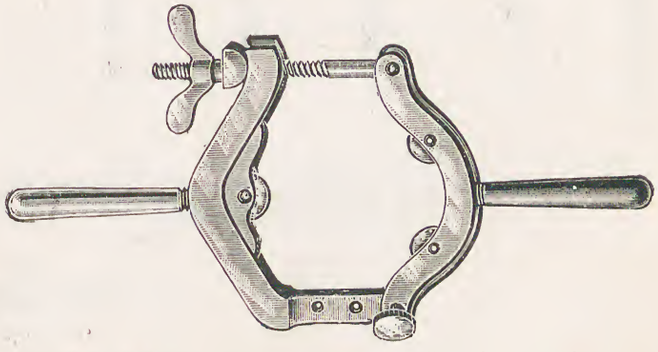
No. 3985. Extra Cutters, Size 1 **12/-** Size 2 **15/-** per doz.



No. 3989. Tube Cutter.

Sizes ¼ to 1½ inch.	1 to 2½ inch.	2 to 4 inch.
40/-	**60/9**	**83/6** each.

Always cuts a Ring. Never cuts a Screw. Quick Adjustment. Tool always square with Tube. Cuts rapidly and works easily.



No. 3992. Tube Cutter, for Cast-iron Mains.

To Cut 2 to 4 inches, inside measure ..	**30/-** each.
„ 4 to 6 „ „ „ ..	**36/6** „
„ 6 to 9 „ „ „ ..	**43/-** „

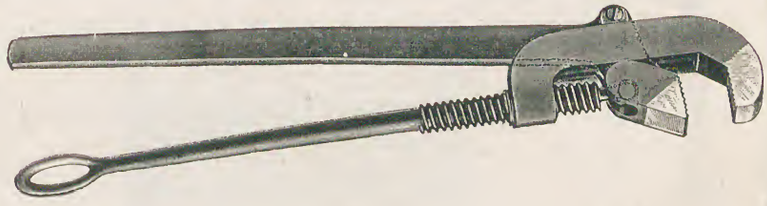
No. 3993. Extra Cutters, **20/-** per dozen.



No. 3996. Tube Wrench.

Malleable Head, Wrought-iron and Hardened Steel Grip.

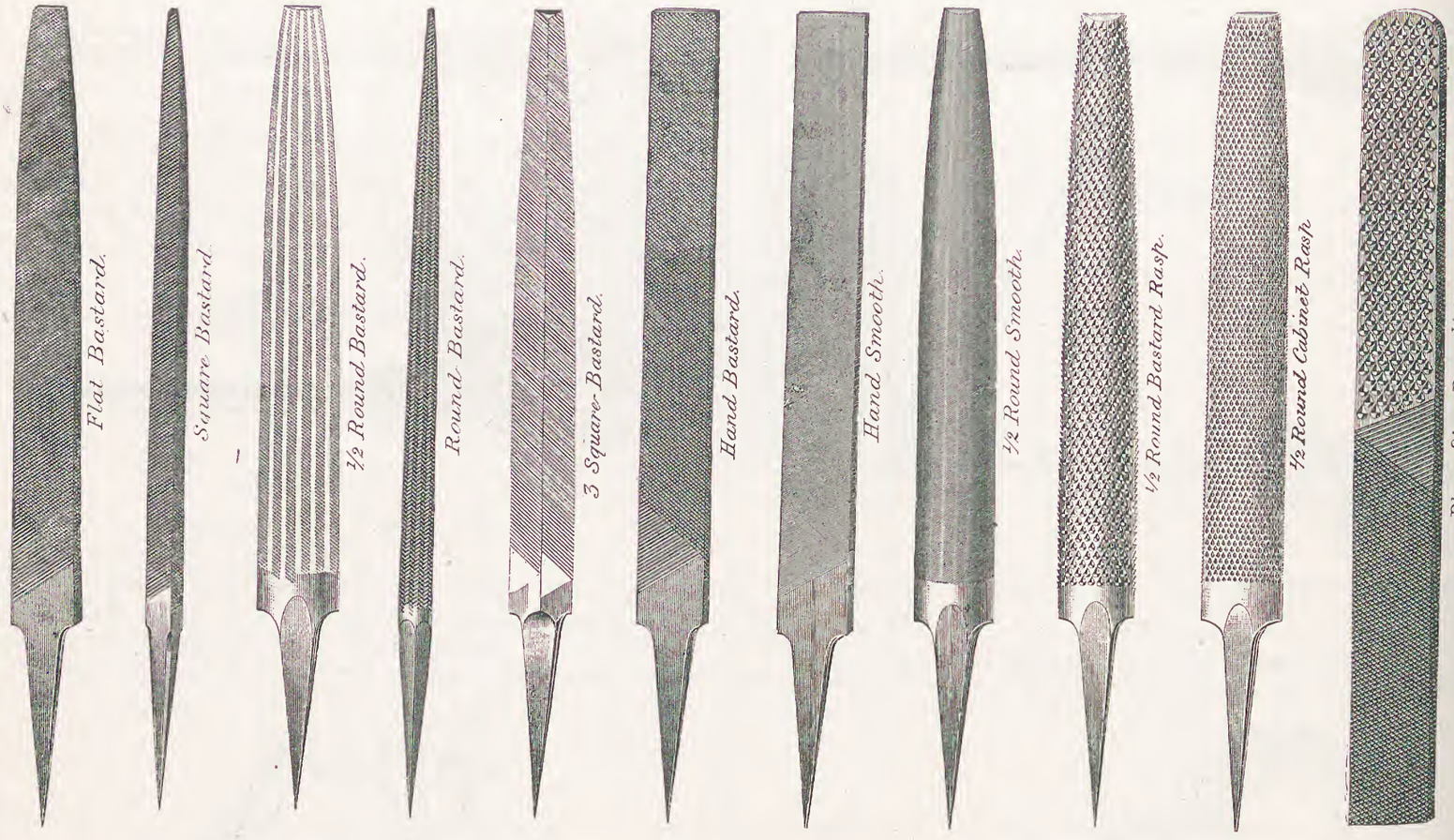
To hold ⅛ to ½	¼ to 1	½ to 1¼	1 to 2	1¼ to 2¼	1½ to 3 in. Tube
Price **4/3**	**5/3**	**7/-**	**9/9**	**13/9**	**18/9** each.



No. 3998. All Steel Pipe Wrench, 18 ins. long.

For Pipes ⅛ to 1½ inch **16/-** each.

BEST WARRANTED SHEFFIELD FILES.

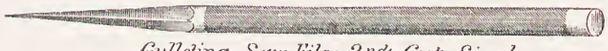




Frame Saw File 2nd Cut Single.



Taper Saw File 2nd Cut Single.



Gulleting Saw File 2nd Cut Single.

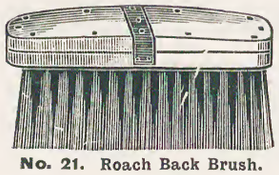
FOR PRICES OF FILES SEE FOLLOWING PAGE.

WIRE BRUSHES.

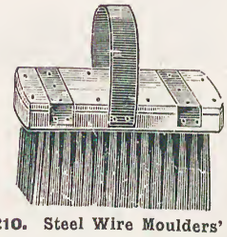
PRICES ON APPLICATION OF ALL KINDS AND FOR ALL PURPOSES.



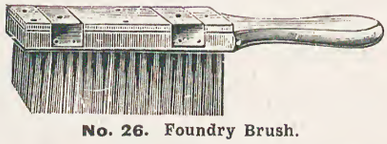
No. 28. Boiler Tube Brush. Long Shank



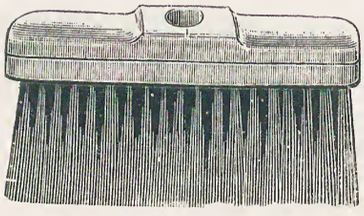
No. 21. Roach Back Brush.



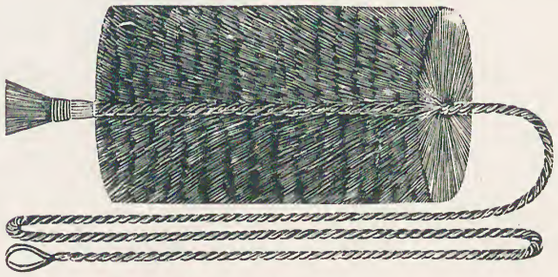
No. 210. Steel Wire Moulders' Brush.



No. 26. Foundry Brush.



No. 29. Steel Wire Sweeping Broom.



No. 211. Flue Brush.



No. 212. Boiler Tube Brush. Short Shank.

BEST WARRANTED SHEFFIELD FILES.

PRICE LIST.

		Sizes	6 inches	8 inches	10 inches	12 inches	14 inches	16 inches
Flat, Half-Round, Square, Round	Rough and Bastard		4/6	6/6	9/6	13/6	18/9	26/9
	Second Cut		5/3	7/6	10/9	15/-	20/9	29/6
Flat, Half-Round, Square, Round	Smooth		6/-	8/6	12/-	16/6	22/6	32/6
	Dead Smooth		9/-	12/6	17/9	25/-	33/9	48/9
Hand Parallel, One Safe Edge — 3 Square Files	Rough and Bastard		5/3	7/6	11/3	15/6	22/6	31/3
	Second Cut		6/3	8/6	12/6	17/-	24/6	34/6
Hand Parallel, One Safe Edge — 3 Square Files	Smooth		7/3	9/9	14/3	18/9	26/3	39/3
	Dead Smooth		11/-	14/9	22/-	28/-	39/6	58/9
Flat, Half-Round	Wood Rasps		4/6	6/6	9/6	13/6	18/9	26/9
Flat, Half-Round	Cabinet Rasps		6/-	8/6	12/-	16/6	22/6	32/6

per dozen.

	Sizes	12	14	16 inches.
Horse Rasps, ½ File Reverse		13/6	18/9	**26/9** per dozen.

	Up to	4	4½	5	6 inches.
Warding Files		3/-	3/3	3/9	**4/6** per dozen.
Do. in parcel, one dozen assorted sizes					**3/6** per dozen.

	Up to	3½	4	4½	5	6	7	8	9	10 inches.
Taper Saw Files		2/6	2/9	3/3	3/6	4/9	6/-	7/6	9/9	**12/3** per dozen.

	Sizes	4	5	6 inches.
Frame, Pit and Gulleting Saw Files, second cut single		3/6	4/-	**5/6** per dozen.

Mill Saw Files, one or two square edges, second cut
Topping Files, Single and Double, left at point and safe edges, second cut

Size 8 — 7/6 — 10 inches. **10/9** per dozen.

No. 213. File Handles, Gun Bushed Ferrules, assorted — **1/2** per dozen.

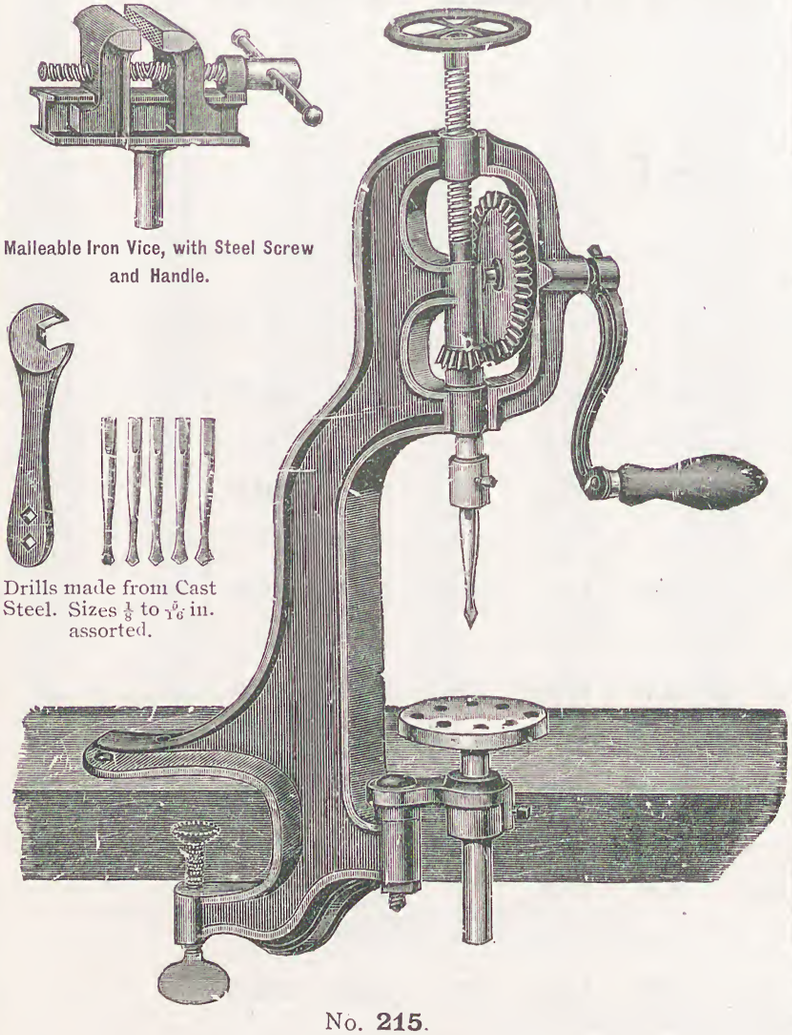
No. 214. File Carding — 4½ ins. **3/6** 5 ins. **3/9** 6 ins. **4/-** per foot run.

DRILLING, SHEARING AND BENDING MACHINES.

AMATEUR'S BENCH DRILLING MACHINE.

Malleable Iron Vice, with Steel Screw and Handle.

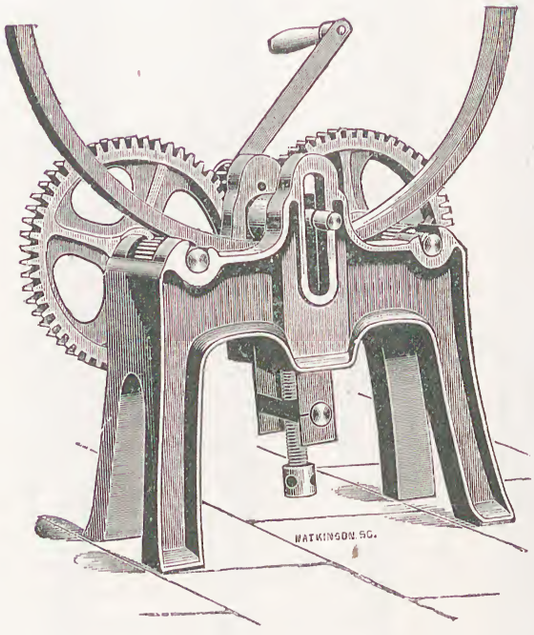
Drills made from Cast Steel. Sizes $\frac{1}{8}$ to $\frac{5}{16}$ in. assorted.



No. **215**.

Frames and Gear Wheels made from best Cast Iron, other parts Malleable and Wrought Iron.
Length overall 21 inches. Total Weight, 13 lb.
Price, with Vice, Six Drills and Spanner, **21/9** each.
No. **216.**
Price, with Vice, Spanner, Chuck and Six Drills, **34/3** each.

TYRE BENDING MACHINE.



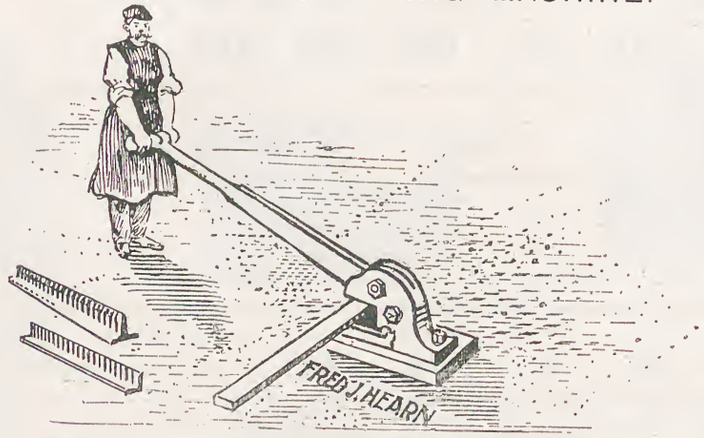
No. **222.**

Machine to Bend Bars ..	$3\frac{1}{2}\times\frac{7}{8}$	$4\frac{1}{2}\times1$	$6\frac{1}{2}\times1\frac{1}{4}$ inch.
Approximate Weight ..	$1\frac{3}{4}$	$2\frac{1}{2}$	$4\frac{1}{2}$ cwt.
Price ..	£5	£6	£11 each.
Extra for Hand & Steam Power,	**18/9**	**21/3**	**26/9** each extra

Each machine is made from different models and is larger in proportion.

The large size is made with powerful double gear.

THE "CAM" SHEARING MACHINE.



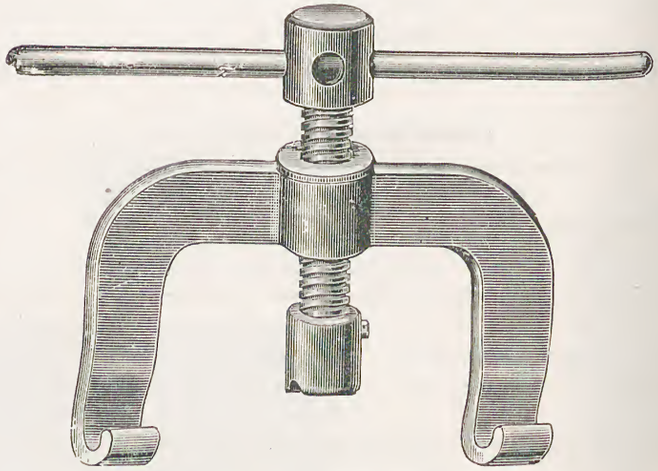
No. **218.** Cuts Flat Bars up to $3\times\frac{5}{8}$ in. or $4\times\frac{1}{2}$ in. Round Bars $\frac{7}{8}$ in. diameter and $\frac{7}{8}$ in. Square Bars.
Price £5 12 0 each.

No. **219.** Cuts through either Angle **or** Tee Iron up to $1\frac{1}{2}\times1\frac{1}{2}\times\frac{1}{4}$ in. in one cut.
Price £5 12 0 each.

No. **220.** As No. 219, but to cut both Angle **and** Tee Iron.
Price £6 2 9 each.

No. **221.** Nos. 218 and 219 combined in one machine.
Price £8 5 9 each.

JIM CROW.



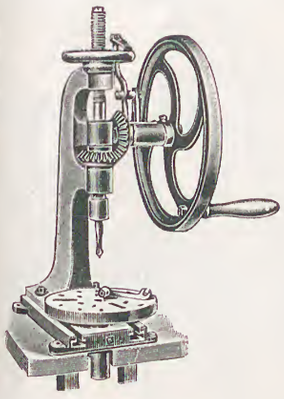
No. **217.** Rail or Pipe Bender.

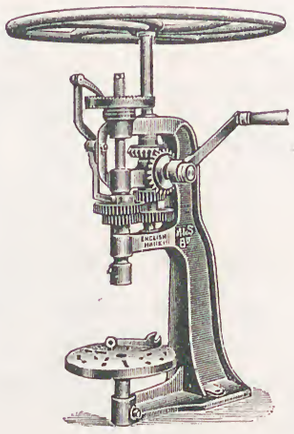
Span inside Screw	16	20	24	24	inch.
Diameter of Screw	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	,,
Approximate Weight	65	97	126	165	lbs.
Price ..	**42/6**	**59/6**	**79/-**	**119/-**	each.

If ordered for Rail a section of same should be sent with order
If for Pipe, outside diameter of Pipe.

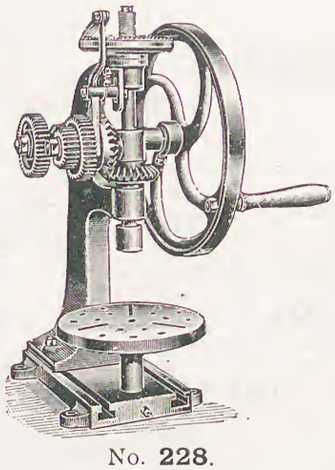
BEST BRITISH MADE DRILLING MACHINES.

No. **223.**

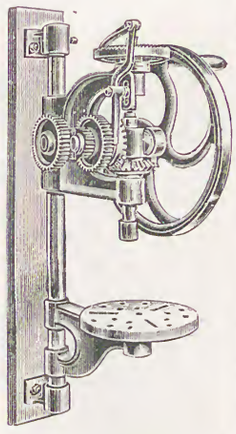




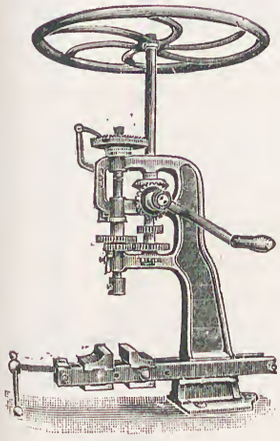
No. **225.**



No. **228.**



No. **230.**



No. **232.**

Prices and Specifications (Drills Extra, 21/- per doz.)

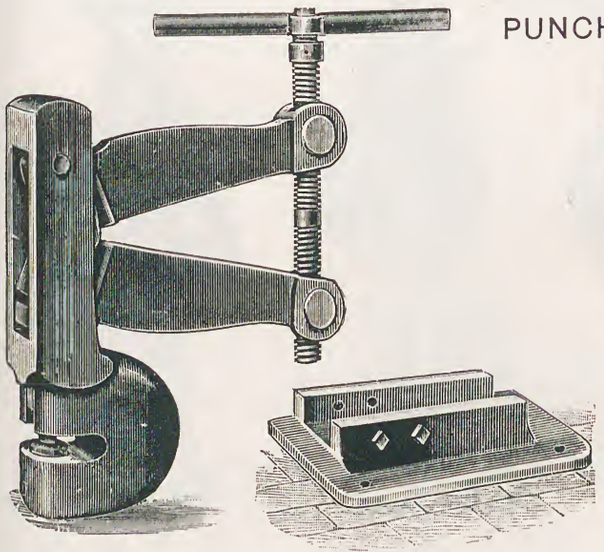
Self-acting Feed Hand Power Drills, will drill 1 in. holes, Base Plate, 18 ins. long and 9 in. wide, height of machine from bottom of Base Plate to top of Feed Wheel, 30 ins.; will admit an article 14 ins. diameter, will admit 12 ins. between Spindle and Base Plate, and Round Table is adjustable for smaller work; Spindle, $1\frac{1}{4}$ in. diameter; Table, 12 ins. diameter, and will rise and fall 4 ins.

No. **223**.—Hand Power as drawn, ... £**5 14 0** each.
„ **224**.—With Fast and Loose Pulleys, .. £**6 10 6** „

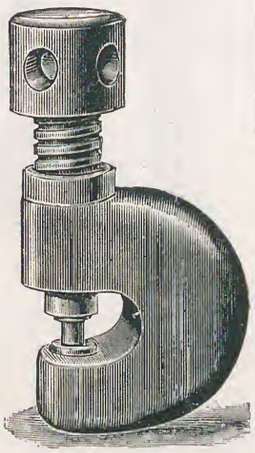
Self Centreing Vice, **34/6** extra.

No.	To drill holes.	Admit in dia.	Admit indepth, Spindle to Base.	Height of Drill to Feed-Wheel.	Table. Diam.	Table. Rise and fall	Length of Base-Plate.	Dia. of Fly-Wheel.	Approx Weight Cwt.	Price. £ s. d.	Extra for Pulleys.	Extra for Vice.
225	$\frac{3}{4}$ in.	18 in.		27 in.				24 in.	$1\frac{1}{2}$ in	**4 10 0**	**16/-**	**34/6**
226	1 „	18 „		27 „				27 „	$1\frac{3}{4}$ „	**5 14 0**	**18/9**	**34/6**
227	$1\frac{1}{4}$ „	18 „		36 „				30 „	2 „	**6 18 0**	**20/-**	**34/6**
228	$1\frac{1}{4}$ „	14 „	12 in	30 „	12 in.	4 in.	18 in.	22 „	$2\frac{1}{4}$ „	**7 0 0**	**20/-**	**34/6**
229	$1\frac{1}{2}$ „	18 „	14 „	35 „	$14\frac{1}{2}$ „	6 „	22 „	24 „	$3\frac{1}{4}$ „	**10 10 0**	**24/-**	**34/6**
230	1 „	18 „	12 „		12 „				$1\frac{1}{4}$ „	**6 12 0**	**20/-**	**34/6**
231	$1\frac{1}{4}$ „	24 „	15 „		14 „				2 „	**9 0 0**	**24/-**	**34/6**
232	$\frac{3}{4}$ „	18 „		27 „				24 „	$1\frac{1}{2}$ „	**5 8 0**	**16/-**	
233	1 „	18 „		27 „				27 „	$1\frac{3}{4}$ „	**6 12 0**	**18/9**	
234	$1\frac{1}{4}$ „	18 „		36 „				30 „	2 „	**7 16 0**	**21/3**	

PUNCHING BEARS.



No. **236.**



No. **238.**
Screw Punching Bear.

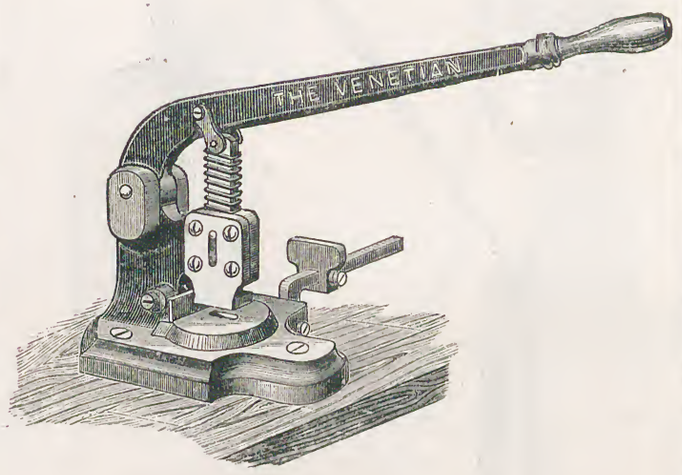
Duplex, No. **236**.

To Punch Holes ..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	1 in. dia.
Through Iron Plate	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{3}{4}$ in. thick
Approximate Weight	20	40	65	85	130	220 lbs.
Price	**64/9**	**83/3**	**110/-**	**120/-**	**194/-**	**290/-** each.
Shoe to fix to Bench ..	**6/-**	**8/-**	**10/-**	**12/-**	**16/-**	**20/-** extra.

Screw, No. **238**.

To Punch Holes ..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	in. dia.
Through Iron Plate	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	in. thick.
Approximate Weight	23	38	56	85	lbs.
Price	**40/-**	**50/-**	**75/-**	**100/-**	each.
No. **239**.—If with Plain Lever	**3/-**	**3/-**	**3/-**	**3/-**	extra.
„ **240**.—If with Ratchet „	**12/-**	**12/-**	**12/-**	**12/-**	„

BLIND PUNCHING MACHINE.



No. **241.**

Blind Punching Machine, for Punching the Cord Holes in Venetian Blind Laths, perfectly clean on both sides, and without splitting. The Cutter Bar has a direct action and works in a Vertical Slide, which always ensures its exact entrance into the Die beneath, and consequently never damaging the steel cutter.

Sizes of Cord Holes.

To Punch Cord Hole	$\frac{7}{8} \times \frac{5}{16}$	1 × $\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{8}$ in.
Price ..	**52/6**	**55/-**	**62/6** each.

LIFTING TACKLE.

No. 242.



IN LONDON STOCK.

No. **242**. Weston's Differential Pulley Blocks with Forged Steel Frames and Hooks.

	Tested to 5	10	12	20	30	40	60	80 cwt.
Blocks with Guides	**8/-**	**12/6**	**14/6**	**17/6**	**25/-**	**32/-**	**45/-**	**65/-** set.
No. **243**. Bright Chain	**6d.**	**6d.**	**7d.**	**7d.**	**8d.**	**9d.**	**10d.**	**11d.** foot.

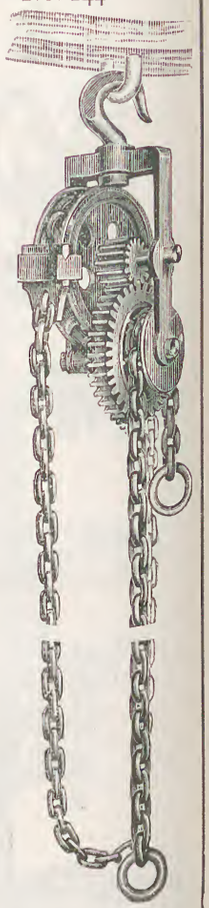
THE LENGTH OF CHAIN REQUIRED IS FOUR TIMES THE HEIGHT OF LIFT.

No. **244**. The "Quick" Hoist with Safety Catch.

Tested to	5	10	20	cwt.
Price of Hoists	**18/-**	**20/-**	**25/-**	each.

No. **245**. Chains complete **2/- 2/6 3/-** per foot of Lift.

No. 244.



PILLAR AND WALL CRABS.

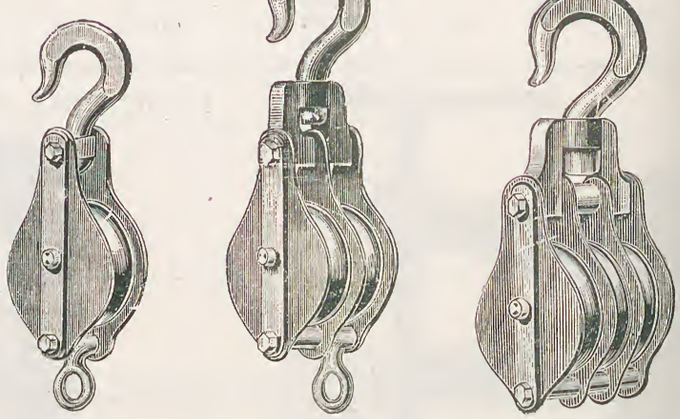
No. 246. Crab.

Pillar as drawn or for Wall.

With Patent Automatic Friction Brake.

	Tested to 2½	5	10	20 cwt.
No. **246**. Pillar Crab ..	**56/-**	**84/6**	**125/-**	**175/-** each.
,, **247**. Wall Crab ..	**50/-**	**75/-**	**112/6**	**162/6** ,,
,, **248**. Top Pulley ..	**4/9**	**6/9**	**12/-**	**14/9** ,,
,, **249**. B.B. Chain .	**8d.**	**10d.**	**1/-**	**1/3** foot.

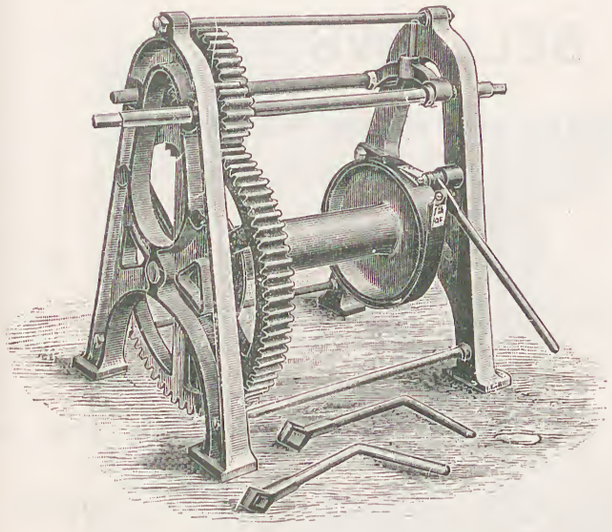
STEEL PULLEY BLOCKS "LONDON" PATTERN.



	No. 251.	No. 252.				No. 253.		
Diameter of Sheave ..	2½	3½	4	4½	5	6	7	8
Width of Groove	⅜	½	⅝	¾	⅞	1	1¼	1½
No. **250**.								
Snatch Block—Iron Sheaves, Each	**3/6**	**3/9**	**4/6**	**5/3**	**7/6**	**9/-**	**11/-**	**14/-**
Weight approximate .. lb.	2	3½	5	8	11	14	21	31
Total length .. .. ins.	8	10	11	13	15	16	19½	22
Test load .. .. cwt.	2	6	10	16	23	34	45	65
No **251**.								
One-Sheave—Iron Sheaves, Each	**2/6**	**3/-**	**3/9**	**5/3**	**6/6**	**7/6**	**9/6**	**12/6**
Weight approximate .. lb.	1½	3	5	9	12	16	22	35
Total length .. . ins.	..	9	10	12	14	15	18½	20
Test load .. .. cwt.	2	6	10	16	23	34	45	65
No. **252**.								
Two-Sheave—Iron Sheaves, Each	**3/6**	**5/-**	**5/9**	**7/3**	**9/6**	**11/-**	**16/-**	**22/6**
Weight approximate .. lb.	2	5	8	13	20	26	37	58
Total length .. .. ins.	8	11	12½	14	16	18½	21	25½
Test load .. .. cwt.	5½	16½	27½	38	55	66	90	160
No. **253**.								
Three-Sheave—Iron Sheaves Each	**4/6**	**5/9**	**7/3**	**9/6**	**12/6**	**14/6**	**21/-**	**30/-**
Weight approximate .. lb.	3	7	10	18	26	36	51	78
Total Length .. .. ins.	8	11	12½	14	16	18½	21	25½
Test Load .. .. cwt.	5½	16½	27½	38	55	66	90	160

KEPT IN LONDON STOCK.

IMPROVED HOISTING CRABS.



Single Purchase with Cast Iron Sides.

To Lift direct from Barrel .. .. cwt.	8	12	16	20	25
To Lift with 2 & 3 Sheave Pulleys .. tons,	2	3	4	5	6
No. **254.** Crab without Brake	**45/-**	**49/-**	**58/-**	**69/-**	**88/-**
,, **255.** ,, with Ordinary Brake,	**55/-**	**59/-**	**69/-**	**80/-**	**104/-**
,, **256.** ,, ,, Improved Screw Brake,	**60/-**	**65/-**	**76/-**	**89/-**	**114/-**

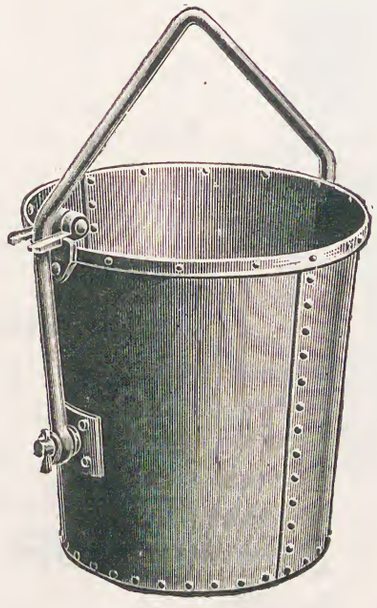
Double Purchase, with Cast Iron Sides.

To Lift direct from Barrel, cwts.,	16	20	25	36	48	60	72	80
To Lift with 2 & 3 Sheave Blocks, tons,	4	5	6	9	12	15	18	20
No. **257.** Crab without Brake,	**69/-**	**80/-**	**100/-**	**120/-**	**145/-**	**188/-**	**236/-**	**320/-**
,, **258.** ,, with Ordinary Brake,	**80/-**	**92/-**	**117/-**	**137/-**	**163/-**	**208/-**	**264/-**	**360/-**
,, **259.** ,, with Improved Screw Brake,	**106/-**	**120/-**	**144/-**	**164/-**	**194/-**	**258/-**	**314/-**	**428/-**

each.

STEEL TIPPING SKEPS.

Self-tipping and self-righting, strong band at top edge. Bottom plate flanged and rivetted to sides. Fitted with bail trunnions and catch of improved design. Painted one coat outside. Made from steel plates $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$. and $\frac{5}{16}$ in. thick. Capacity, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1 cubic yard.



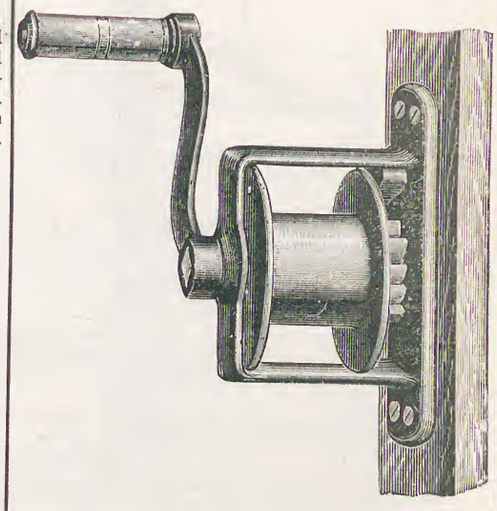
No. **260.**

Capacity, $\frac{1}{4}$, $\frac{1}{2}$ $\frac{3}{4}$ 1 cubic yard

70/6 100/- 153/- 213/- each.

Specifications on application.

LIGHT CRAB.



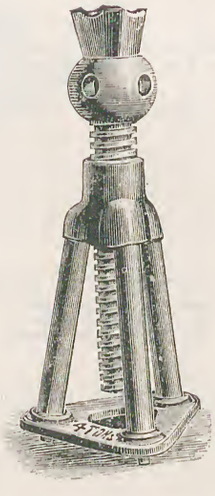
No. **261**. Crab.

Very Light Construction, suitable for Raising and Lowering Arc Lamps for Electric Lighting. Frame, Cast Iron, in two parts and bolted together. The barrel and catch wheel are cast in one. Handle Strap is of Cast iron with turned Wood Handle.

Price .. .. 21/- each.

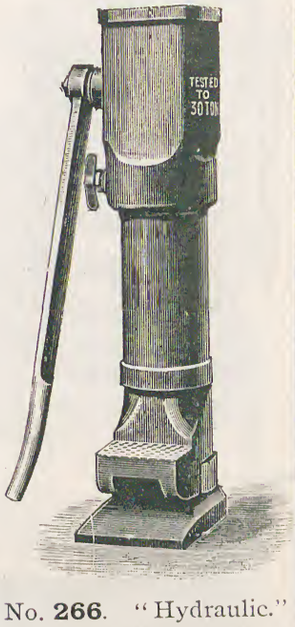
LIFTING JACKS.











No. **262.** "Bottle."

With Cup Head.

Height when down.	To Lift.	Price each.
12 ins.	1½ tons.	**8/-**
15 ,,	2½ ,,	**9/6**
18 ,,	4 ,,	**12/3**
21 ,,	5 ,,	**14/-**
24 ,,	6 ,,	**18/3**
24 ,,	8 ,,	**21/9**
24 ,,	10 ,,	**25/9**

No. **263.** "Tripod."

To Lift	Height when down.	Price each.
2 tons.	10 ins.	**12/9**
3 ,,	12 ,,	**14/6**
4 ,,	15 ,,	**19/6**
5 ,,	18 ,,	**24/-**
6 ,,	21 ,,	**29/-**
8 ,,	24 ,,	**34/-**
10 ,,	27 ,,	**45/-**
12 ,,	27 ,,	**50/-**
15 ,,	27 ,,	**65/-**
18 ,,	27 ,,	**90/-**
20 ,,	27 ,,	**110/-**

No. **264.** "Ratchet."

Bottle Jack, Malleable Iron Case.

To Lift	Height when down.	Price each.
5 tons.	17 ins.	**21/6**
6 ,,	20 ,,	**26/6**
8 ,,	23 ,,	**36/6**
10 ,,	26 ,,	**47/6**
12 ,,	26 ,,	**49/6**
16 ,,	26 ,,	**66/-**

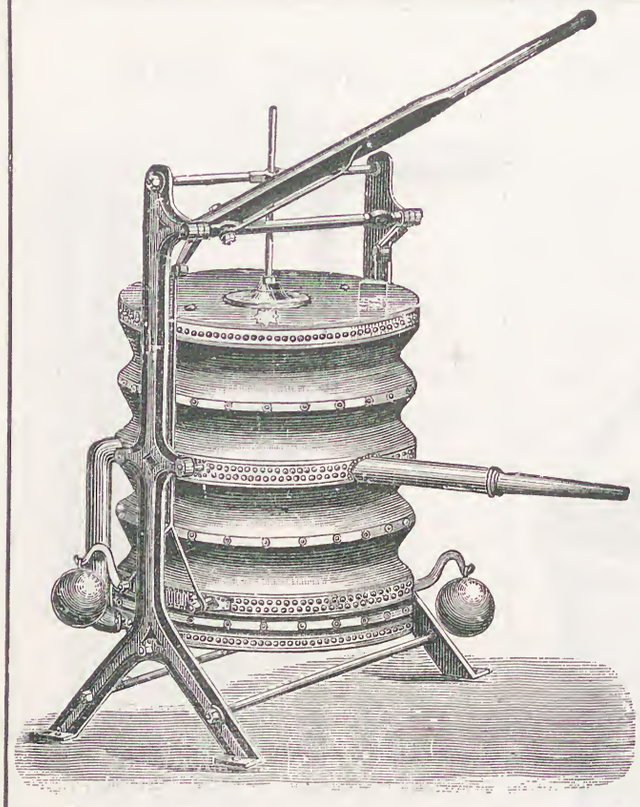
No. **265.** "Phipp's"

Lift, Pull, Push and Cramp Jack.

To Lift	Height when down.	Price each.
1 ton.	6 ins.	**11/3**
1 ,,	8 ,,	**11/3**
1½ ,,	10 ,,	**14/9**
2 ,,	12 ,,	**18/-**
4 ,,	14 ,,	**25/3**
6 ,,	16 ,,	**32/-**
8 ,,	18 ,,	**39/3**
10 ,,	20 ,,	**52/9**

No. **266.** "Hydraulic."

To Lift	Height when down.	Price each.
3 tons.	18 ins.	**60/-**
4 ,,	23 ,,	**75/-**
6 ,,	24 ,,	**80/-**
8 ,,	26 ,,	**90/-**
10 ,,	27 ,,	**100/-**
12 ,,	27 ,,	**110/-**
15 ,,	28 ,,	**120/-**
20 ,,	28 ,,	**130/-**
30 ,,	29 ,,	**150/-**
40 ,,	29 ,,	**180/-**
50 ,,	29 ,,	**210/-**
60 ,,	29 ,,	**250/-**



DOUBLE BLAST CIRCULAR BELLOWS.

MOUNTED IN IRON FRAME.

No. 267.

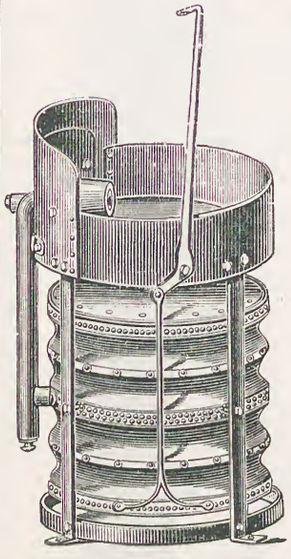
Sizes	18	20	22	24	26	28 inch.
Price	**91/6**	**105/-**	**123/-**	**140/-**	**157/6**	**182/6** each.

Sizes	30	32	34	36	38	40	42 inch.
Price ..	**213/-**	**238/-**	**284/-**	**317/6**	**360/-**	**413/-**	**468/-** each.

If with Weights (These are not sent unless specially ordered).

18, 20 in	22, 24 in.	26, 28, 30 in.	32, 34, 36, 38, 40 in.
10/-	**12/-**	**14/-**	**21/-** per set extra

IMPROVED "DECK" OR "RIVET" FORGE.



No. 268.
SINGLE BLAST.

Width. ft.	Width. ins.	Height. ft.	Height. ins.	Bellows. ins.	**Price.** each.
1	6	2	4	16	**62/9**
1	8	2	4	18	**66/-**
1	10	2	4	20	**74/-**
2	0	2	10	22	**85/-**
2	2	2	10	24	**102/-**

No. 269.
DOUBLE BLAST.

Width. ft.	Width. ins.	Height ft.	Height ins.	Bellows. ins.	**Price.** each.
1	6	2	10	16	**86/6**
1	8	2	10	18	**107/6**
1	10	2	10	20	**127/-**
2	0	2	10	22	**148/-**
2	2	2	10	24	**173/-**

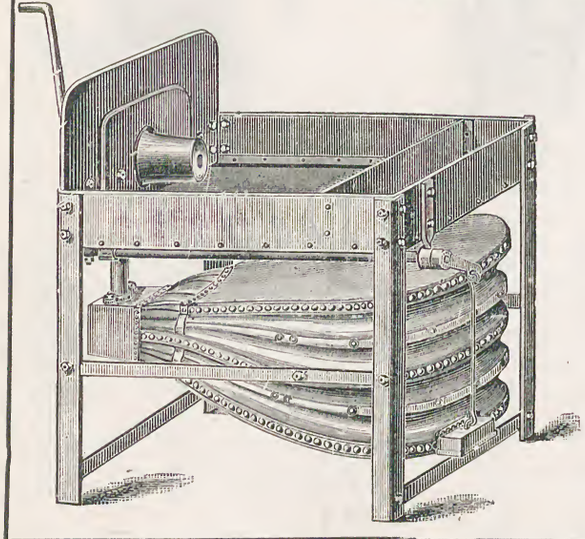
Weights **10/-** per set extra.

No. 270. SINGLE BLAST WITH TREADLE.

Width. ft.	Width. ins.	Height. ft.	Height. ins.	Bellows. ins.	**Price.** each.
1	6	2	8	16	**67/6**
1	8	2	8	18	**71/-**
1	10	2	8	20	**79/-**

Width. ft.	Width. ins.	Height. ft.	Height. ins.	Bellows. ins.	**Price.** each.
2	0	2	8	22	**90/-**
2	2	2	8	24	**107/6**

IMPROVED PORTABLE FORGE.



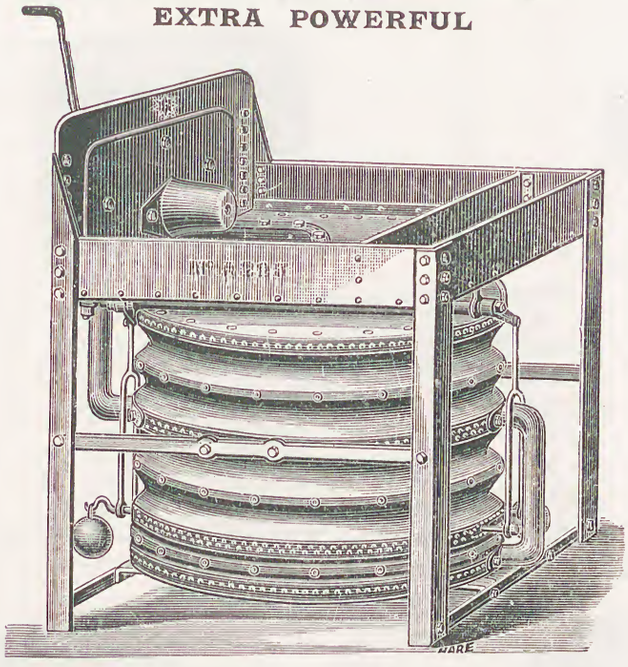
No. 271. "LONDON" PATTERN.

Height. ft.	Height. ins.	Length. ft.	Length. ins.	Width. ft.	Width. ins.	Bellows. ins.	**Price.** each.
2	10	2	0	1	6	18	**82/6**
2	10	2	2	1	8	20	**91/6**
2	10	2	4	1	10	22	**101/-**
2	10	2	6	2	0	24	**129/-**
2	10	2	10	2	2	26	**155/-**

This is of Latest Design and the most compact of its class that can be made, containing all the latest improved conditions, and we can recommend it for any kind of work.

Wrought Iron Portable Forges.

EXTRA POWERFUL

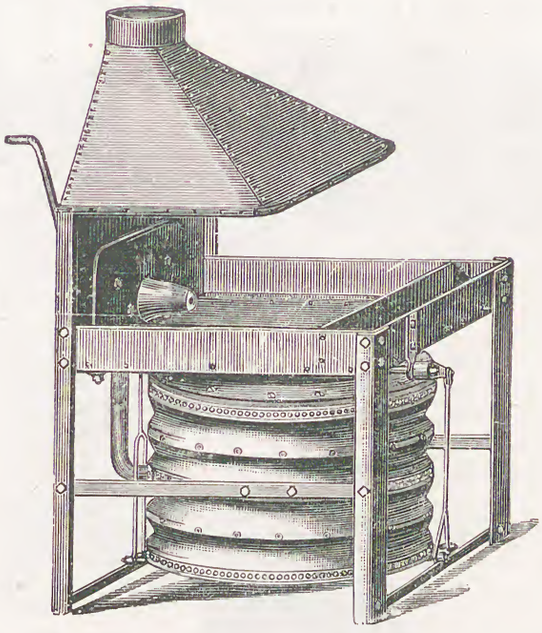


No. 272. With Circular Double-blast Bellows.

	Price each. £ s. d.
2ft. 6in. long, 1ft. 11in. wide, 2ft. 10in. high .. 22in. Double-blast Bellows.	7 16 6
2ft. 6in. long, 2ft. 11in. wide, 2ft. 10in. high .. 24in. Double-blast Bellows.	9 1 6
2ft. 10in. long, 2ft. 3in. wide, 2ft. 10in. high .. 26in. Double-blast Bellows.	11 2 9
3ft. long, 2ft. 7in. wide, 3ft. high .. .. .. 28in. Double-blast Bellows.	13 4 0
3ft. long, 3ft. 9in. wide, 3ft. high .. .. .. 30in. Double-blast Bellows.	15 13 6

No. 273. Cast-iron Balance Weights 10/- per set extra.

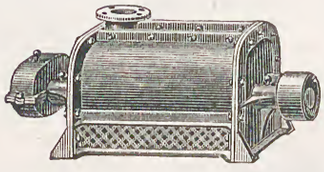
Improved Wrought Iron Portable Forges.



No. 274. Fitted with New Pattern Hood.

	Price each. £ s. d.
2ft. 3in. long, 1ft. 10in. wide, 2ft. 10in. high .. 22in Circular Bellows.	9 12 6
2ft. 5in. long, 2ft. wide, 2ft. 10in. high .. 24in. Circular Bellows.	10 14 6
2ft. 9in. long, 2ft. 3in. wide, 2ft. 10in. high .. 26in. Circular Bellows.	11 16 0
2ft. 11in. long, 2ft. 6in. wide, 2 ft. 10in. high .. 28in. Circular Bellows.	13 5 0
3ft long, 2ft. 8in. wide, 3ft. high .. .. .. 30in. Circular Bellows.	14 17 0

Improved "Climax" Root's Patent Small Power Blowers.



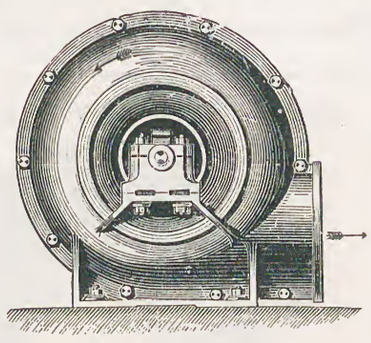
No. 275.

No. of Blowers	Adapted to Work	Maximum Speed	Quantity of air delivered per minute in cubic feet
A—1	Small Fire ..	300	20
B—2	Blacksmiths' Fire	300	40
C—3	Large Fire ..	300	70
D—4	Two Small Fires	300	100
E—5	Two Large Fires	300	180

No. of Blowers	Space occupied in inches			Size of Pulley	
				Diameter	Breadth
	Length	Breadth	Depth	inches	inches
A—1	14	11	8	3	1¾
B—2	19	11	8	3	2
C—3	21	15	11	4	2¼
D—4	25	15	11	4	2¼
E—5	30	20	14	5	2¾

No. of Blowers	Size of Outlet		PRICE packed at Works			If supplied with extra Bracket and Loose Pulley
	Diameter of Outlet	Diameter of Flange	£	s	d.	
	inches	inches				Each extra
A—1	1½	4¼	7	5	0	18/-
B—2	1¾	4¼	10	3	0	18/-
C—3	2	4½	13	1	0	22/6
D—4	2½	4½	15	19	0	22/6
E—5	3	7	18	17	0	31/6

IMPROVED "SYDENHAM" SILENT BLOWING FANS.



No. 276.

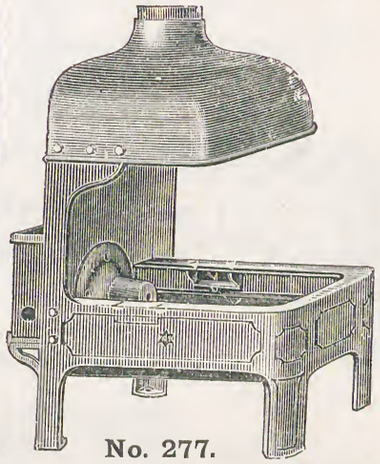
No. of Fires to Blow	Diameter of Revolving Fan	Diameter of Discharge	Tons Melted per hour	No. of Revolutions per minute	Diam. of Pulleys	Breadth of Straps.
*1	9 in.	2½ in			1½ in.	
2	10 ,,	3½ ,,			2 ,,	
4	10 ,,	5 ,,		4000 to 4500	2 ,,	
6	12 ,,	6 ,,		3500 to 4200	3 ,,	
8	15 ,,	8 ,,	1	3000 to 4000	4 ,,	1½
12	17½ ,,	9 ,,	1½	2800 to 3500	5 ,,	2¼
16	20 ,,	10 ,,	2	2500 to 3300	6 ,,	3
24	25 ,,	12 ,,	3	2000 to 2500	8 ,,	3¼
32	30 ,,	14 ,,	5	1500 to 2000	9 ,,	5½
52	36 ,,	16 ,,	7½	1300 to 1700	10 ,,	4
72	40 ,,	18 ,,	10	1200 to 1500	12 ,,	4½
150	50 ..	22 ,,	20	900 to 1100	15 ,,	5

* This Fan will blow one Fire well, but it is not quite silent.

No. of Fires to blow **PRICES EACH.**

1*	2	4	6	8	12	16	24	32	52	72
48/6	81/-	95/-	122/-	150/-	189/-	243/-	352/-	432/-	594/-	756/-

SINGLE "CLIMAX" SMITHS' HEARTHS.

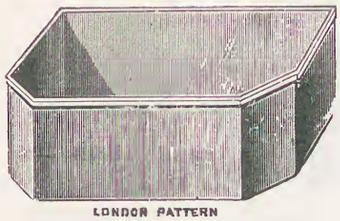


No. 277.

Width. ft.	in.		Length ft.	in.		Height. ft.	Price each. £	s.	d.
2	6	×	2	6	×	6	9	18	0
2	6	×	3	6	×	6	10	16	0
2	9	×	2	9	×	6	10	19	0
2	9	×	3	0	×	6	11	3	0
2	9	×	3	6	×	6	11	10	0
3	0	×	3	0	×	6	11	12	0
3	0	×	3	6	×	6	12	10	0
3	6	×	3	6	×	6	13	7	0
3	6	×	4	0	×	6	14	5	0
4	0	×	3	0	×	6	13	7	0
4	0	×	4	0	×	6	15	4	0
4	0	×	4	6	×	6	18	12	0
4	0	×	5	0	×	6	21	9	0
4	6	×	4	6	×	6	22	19	0
4	6	×	5	0	×	6	23	15	0
5	0	×	5	0	×	6	24	15	0

A cheaper make of Smiths' Hearth, The "Caledonian," can be supplied. Particulars sent on application.

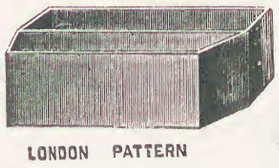
SLACK OR WATER TROUGH.



No. **278.** London Pattern.

				Price each.
Size A	36 inch.	18 inch.	10 inch.	**40/9**
B	36 ,,	18 ,,	12 ,,	**45/3**
C	36 ,,	18 ,,	18 ,,	**63/3**
D	36 ,,	22 ,,	12 ,,	**54/9**
E	48 ,,	24 ,,	12 ,,	**74/9**
F	60 ,,	24 ,,	12 ,,	**93/3**

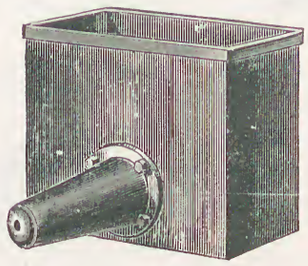
SLACK OR WATER TROUGH.



No. **279.** London Pattern.

	Length.	Width.	Depth.	Price each.
Size A	36 inch.	18 inch.	10 inch.	**54/-**
B	36 ,,	18 ,,	12 ,,	**59/-**
C	36 ,,	18 ,,	18 ,,	**72/9**
D	36 ,,	22 ,,	12 ,,	**68/-**
E	48 ,,	24 ,,	12 ,,	**95/3**
F	60 ,,	24 ,,	12 ,,	**120/-**

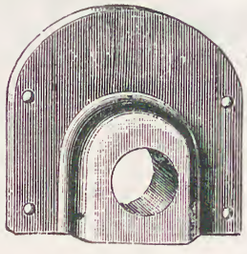
Water Bosh and Tue Iron, Complete.



No. **280.**

Length. in.	Depth. in.	Width. in.	Length of Tue Iron. in.	Price each.
19	18	7	8½	**28/-**
19	18	7	13	**30/-**
21	21	7½	13½	**35/6**
21	21	7½	18	**39/-**
23	23	9	10	**41/-**
23	23	9	12	**42/-**
23	23	9	15	**42/6**
23	23	9	19	**44/6**
27	25	10½	16	**55/-**

SMITH'S HEARTH BACKS.



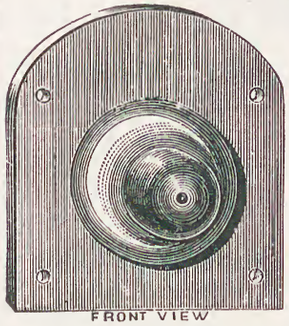
No. **281.**

Suitable for all kinds of water boshes and Tue Irons.
Also Wrought Water or Cast Tue Irons.

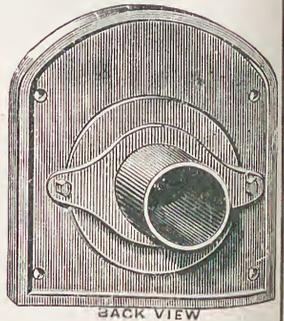
Sizes ..	High.		Wide.	**Price**, each.
	18	×	19 in.	**13/-**
	14½	×	15½ ,,	**7/6**
	13	×	14 ,,	**5/6**
	12	×	13 ,,	**4/6**

With Nuts, Pins and Plates Complete.

IMPROVED SMITH'S HEARTH BACKS AND TUE IRON COMPLETE.

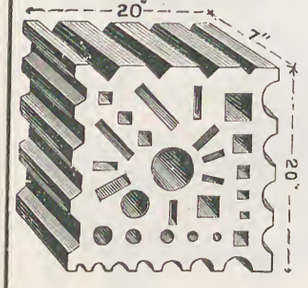






No. **282.** Fitted Complete, with Tue Iron, Nuts, Pins and Plates.

Sizes				**Price**, each.
Sizes	13×14 in.	Size of Blast Hole, ¾ to 1 in.		**8/-**
,,	14×15 in.	,, ,,	⅞ to 1⅛ in.	**9/9**
,,	15×16 in.	,, ,,	1 to 1¼ in.	**12/6**
,,	18×19 in.	,, ,,	1⅛ to 1⅜ in.	**18/3**
,,	22×22 in.	,, ,,	1⅛ to 1½ in.	**25/9**
,,	24×24 in.	,, ,,	1⅛ to 1¾ in.	**31/-**



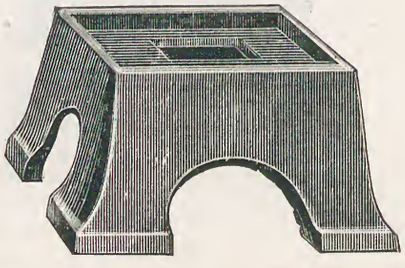
IMPROVED "SWAGE" BLOCK.

No. 283.

Sizes.	Approx. Weight.	**Price** per cwt.
13×13×4½ inch.	1¼ cwt.	**18/6**
14×14×4½ ,,	1½ ,,	
16×16×5½ ,,	2½ ,,	
18×18×6 ,,	3 ,,	
20×20×7 ,,	4½ ,,	
22×22×7 ,,	5½ ,,	
24×24×7 ,,	6¼ ,,	

No. **284.** Cast Iron "Swage" Stands, **20/-** per cwt.

CAST IRON ANVIL STAND.

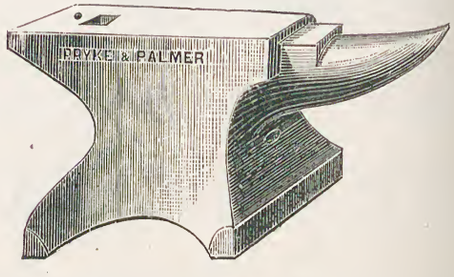


No. 285.

The measurements of Anvil at foot must be given when ordering, unless this Stand is ordered at same time as Anvil.

Price 18/6 per cwt.

SMITH'S AND FARRIER'S ANVIL.



No 286. First Quality.

London Pattern, or ordinary Smith's Anvil. ¾ cwt. and upwards, **40/-** per cwt.

No. 287. Farrier's Anvils.

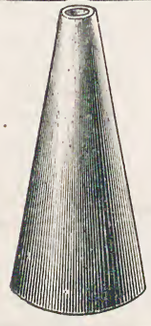
41/6 per cwt.

PATENT WATER TUE IRONS, FOR BLAST FURNACES.



No. 288.

Made in various sizes and any size Blast Hole. With Pipes complete. Prices on applicaiion.



CAST IRON SMITH'S MANDRIL.

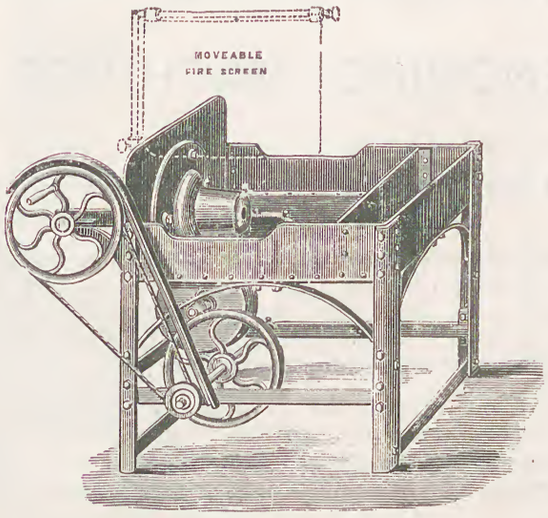
No. 289

Diameter at Top ..	1¼	1¼	3	3	3	3	ins.
,, Bottom	7½	9	12	14	16	20	,,
Height.. ..	30	36	30	54	39	51	,,
Price	**41/3**	**44/9**	**45/9**	**86/-**	**61/6**	**135/-**	each.

Diameter at Top ..	4	4	4	6	9	12	ins.
,, Bottom	14	16	20	20	20	22	,,
Height.. ..	30	36	36	42	48	42	,,
Price	**52/-**	**73/6**	**82/6**	**125/-**	**145/6**	**180/-**	each.

PATENT "BRANSTON" FAN FORGES.

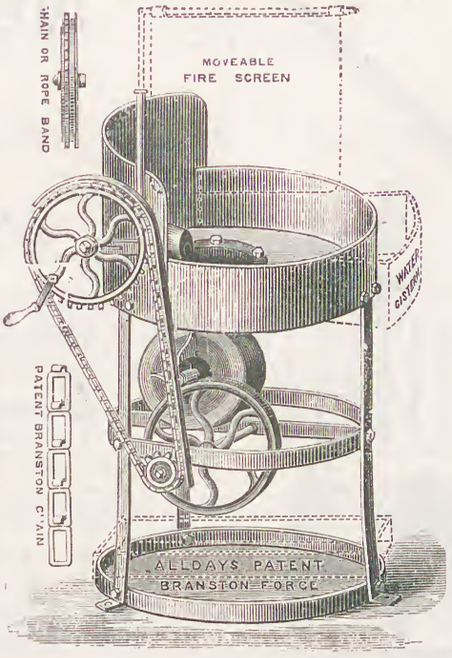
The "**Branston**" Patent Portable Fan Forges and Fittings are the best and a most superior invention. They are the easiest to work; the blast is steadier and much more powerful than that of any other Fan Forge. The fewness of their working parts, coupled with the simplicity and compactness of their construction, combines great strength, portability, and will be found exceedingly durable. Our Patent Fire Screen is an invaluable addition, as it protects the operator from the heat of the fire. A movable Water Cistern can be fitted if required.



No. 290. "Branston."

Size of Pan.	Weight.	Will Heat Iron.	Price.
20 ins. × 26 ins.	2 cwt. 0 qrs. 9 lb.	1½ in. diam.	£5 5 0
24 ,, × 30 ,,	2 ,, 1 ,, 12 ,,	1¾ ,,	£6 18 6
34 ,, × 30 ,,	2 ,, 3 ,, 0 ,,	2 ,,	£8 16 6

PATENT "BRANSTON" FAN FORGES.



The "**Branston**" Patent Portable Fan Forges and Fittings are the best and a most superior invention, they are the easiest to work, occupy the least possible space, the blast is steadier and much more powerful than that of any other Fan Forge. The fewness of their working parts, coupled with the simplicity and compactness of their construction combines great strength, portability, and will be found exceedingly durable.

Our Patent Fire Screen is an invaluable addition, as it protects the operator from the heat of the fire. The Water Cistern is movable, and will be found very useful. Please observe that "**Branston**" is on each Forge.

No. 291. "Branston" Patent Riveting Forge, "Rotary Motion."

Measurement. Diameter.	High.	Weight.	Will Heat round Iron	Price.
Pan 20 ins. × 30 ins.		1 cwt. 0 qrs. 20 lb.	1½ in. diam.	£4 4 0
Pan 24 ,, × 32 ,,		1 ,, 3 ,, 0 ,,	2 ,,	£5 1 0

BLACKSMITHS' TOOLS.





No. 292. 1/2 per lb.

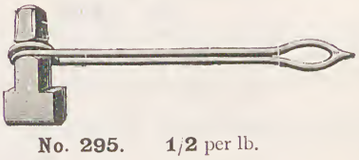


No. 293. 1/6 per lb.

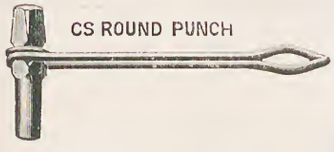




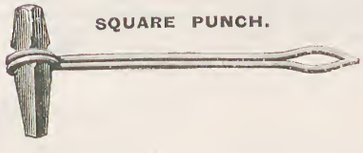
No. 294. 1/5 per lb.



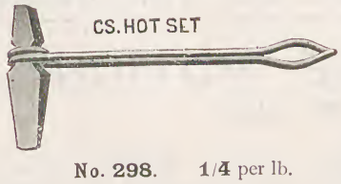
No. 295. 1/2 per lb.



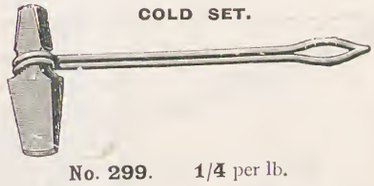
No 296. 1/4 per lb.



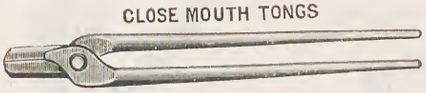
No. 297. 1/4 per lb



No. 298. 1/4 per lb.



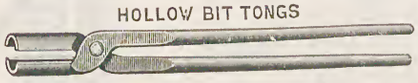
No. 299. 1/4 per lb.



No. 2100.



No. 2101.



No. 2102.

Tongs 9d. per lb.

Drawings shown are only a selection of Smiths' Tools that we can supply. Complete List sent on application, and Special Tools supplied to patterns and particulars.

These Prices are for Stock sizes and weights.

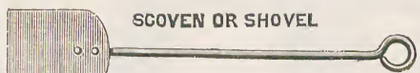
Estimates given for Special Work.



No. 2103. 9d. per lb.



No. 2104. 9d. per lb.

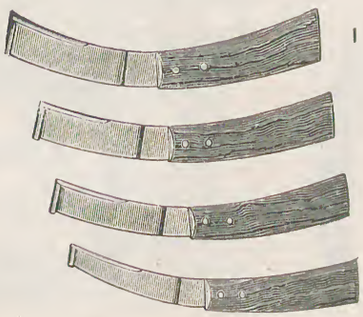


No. 2105. 9d. per lb.

FARRIERS' TOOLS.

Set 2106. 19 Articles in Tool Box.





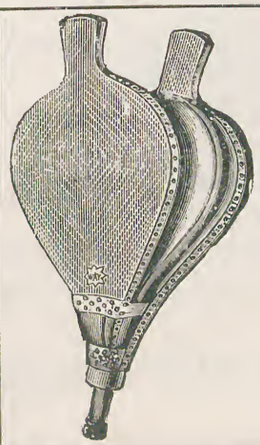
SET OF FARRIERS KNIVES



No. 2106 Set consists of 4 Farriers' Knives, Shoe Tongs, Nail Nippers, Spretchel, 3 Rasps, Clench Knife, Stake, Stamp, Seamer, Sledge Hammer, Nailing-on, Straightening, and Turning Hammers.

In Tool Box complete,

62/- per set.



HAND BELLOWS.

No. 2107.

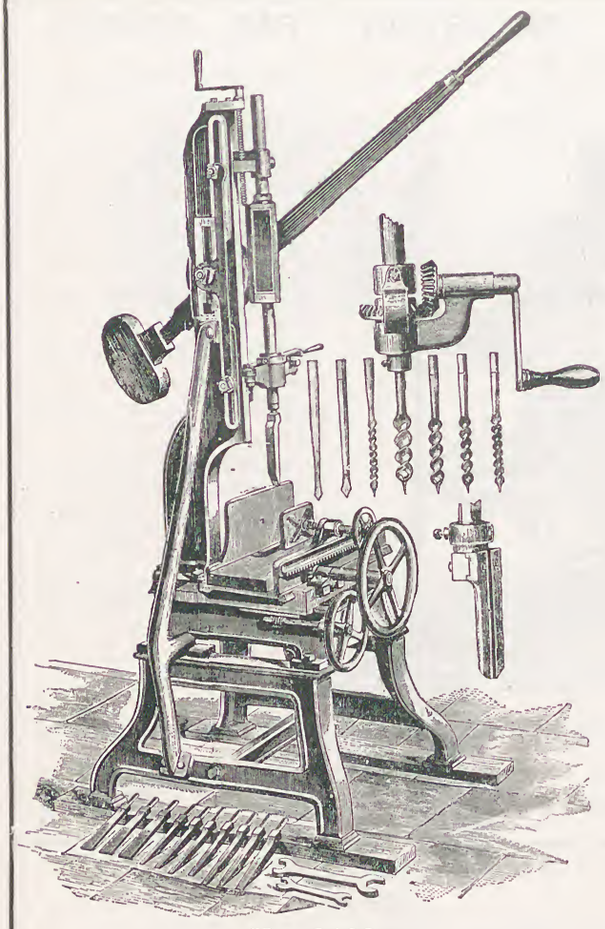
Specially made for Electrical Stations, for Blowing Dust off Armatures in Dynamo Rooms.

Renewable Screwed Brass Nozzles.

Brass-headed Nails.

Size 12 ins.

Price 15/- each.



No. 2108.

IMPROVED PATENT COMBINED MORTICING, BORING, AND TENONING MACHINES.

We illustrate our four leading designs. Thousands of which are in every day use.

All working parts are accurately fitted and made of the best materials.

The Chisels which are made from a high-class Steel reverse true. In fixing the Chisel in Spindle, set the face of the Chisel square with the Tray Fence, and let the figures on the Chisel be towards the Handle that turns the Chisels, and in morticing, the face of the Chisel must meet the cut.

The Chisels are easily loosened in the Spindle by being partly turned with the Screw Key sent with the machine. If the Chisels should at any time become strained in working and do not reverse true, they are easily remedied by being struck with a piece of lead or a smart blow with a hammer.

It is strongly recommended that the Boring and Tenoning apparatus should be ordered in addition to the Chisels.

The **No. 2108** Machine is an extra strong machine, and is largely used on Government and Railway Contract work. All parts made of the best material. Motion is transmitted from the Lever to the Chisel by Rack Wheel and Rack. Takes in wood 12 × 6 ins. Stroke, 6 ins. Weight, 4 cwt.

Price (including ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ and 1 in. Best Cast Steel Chisels, 3 Core Drivers, 2 Screw Keys, and 1 Set Square)	£15 6 0
Extra for Boring Apparatus, complete with ½, ⅝, ¾, ⅞ and 1 in. Round Nosed Augers, and ¼ and ¾ in. Cast Steel Drills	2 11 0
,, Tenoning Tool, which will cut Tenons from ⅛ to 1 in.	2 11 0
Extra if fitted with Self-Coring Chisels, in lieu of ordinary Chisels and Core Driver	1 5 6

PRICES ARE FOR MACHINES ON RAIL AT LEEDS.

"CENTRE MOTION."

No. 2109.

Made in three sizes, the most popular Machine now on the market. The motion from the lever is communicated to the Chisel through the centre of the Slide, thereby giving a direct action over the Chisel.

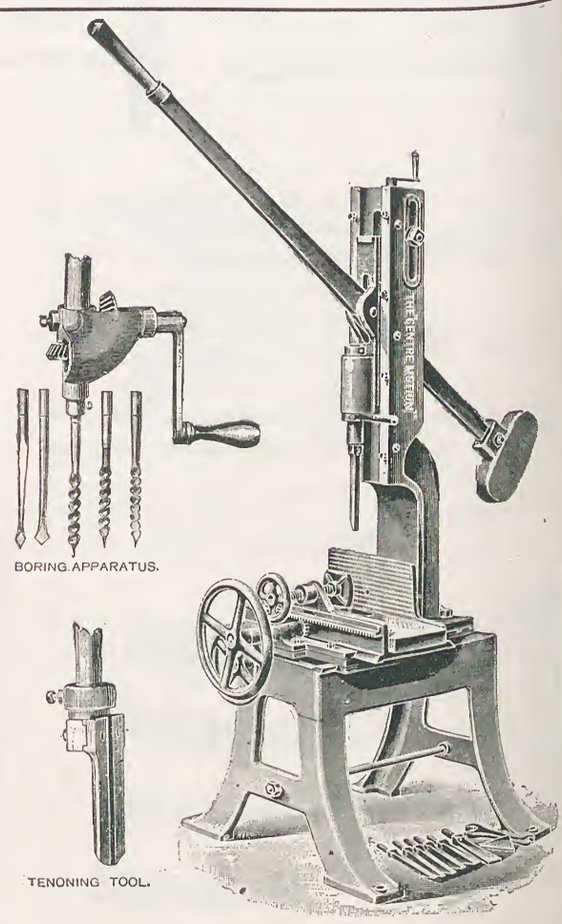
No. 2109.—Takes in wood, 5 × 3 ins. Stroke, 3 ins. Weight, 1½ cwt. (Fixing on bench).

No. 2110.—Takes in wood, 11 × 5½ ins. Stroke, 6 ins. Weight, 3 cwt. (As illustrated).

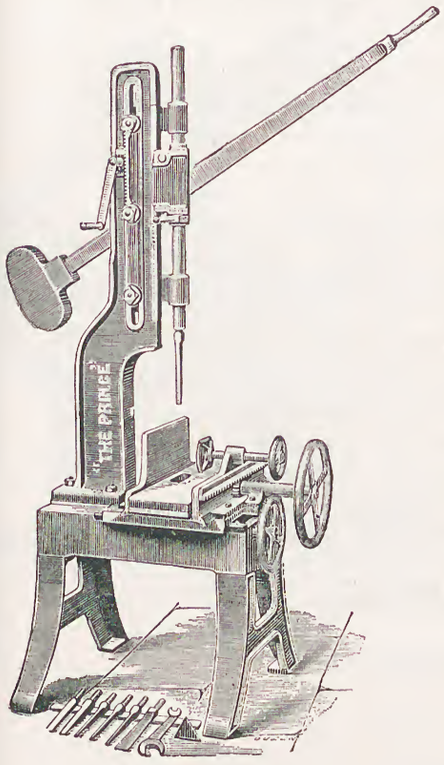
No. 2111.—Takes in wood, 12 × 7¾ ins. Stroke, 6½ ins. Weight, 4 cwt. (In one solid Casting).

PRICE.	£	s.	d.
No. 2109 (including ¼, ⅜, ½ in. etc. Best Cast Steel Chisels, 1 Core Driver, and 1 Screw Key)	8	5	9
No. 2110 (including ¼, 5/16, ⅜ ½, ⅝, ¾ in. do. do. do.	10	4	0
No. 2111 do. do. do. do. do.	12	2	6
Extra for Boring Apparatus, complete with ½, ⅝, ¾ in. Round Nosed Augers, and ¼, ¾ in. Cast Steel Drills	1	12	0
Extra for Tenoning Tool which will cut Tenons from ⅛ to 1 in.	2	11	0
Extra if fitted with Self-Coring Chisels, in lieu of ordinary Chisels and Core Driver	1	2	6

PRICES ARE FOR MACHINES ON RAIL AT LEEDS.



No. 2110.



No. 2112. THE "PRINCE."

THE "PRINCE"

Morticing, Boring, and Tenoning Machine.

No. 2112.

A Cheap, Simple and Effective Machine. The motion from the Lever is communicated to the Spindle Slide Bracket by a Wrought Iron Crank. The raising and lowering of the Brackets in which the chisel carrying spindle works, is effected very quickly by means of the Malleable Iron connecting rack and pinion at the side of upright.

Takes in wood 11 × 5½ ins. Stroke 5 ins. Weight 3 cwt.

Price, including ¼, 5/16, ⅜, ½, ⅝, and ¾ best Cast Steel Chisels, 1 Core Driver, 1 Screw Key, and 1 Set Square	£10 4 0
Extra for Boring Apparatus, complete with ½, ⅝, and ¾ Round Nosed Augers and ¼ and ⅜ Cast Steel Drills	1 12 0
Extra for Tenoning Tool, which will cut Tenons from ⅛ in. to 1 in.	2 11 0
Extra if above Machine is fitted with Self-Coring Chisels in lieu of ordinary ones	1 2 6

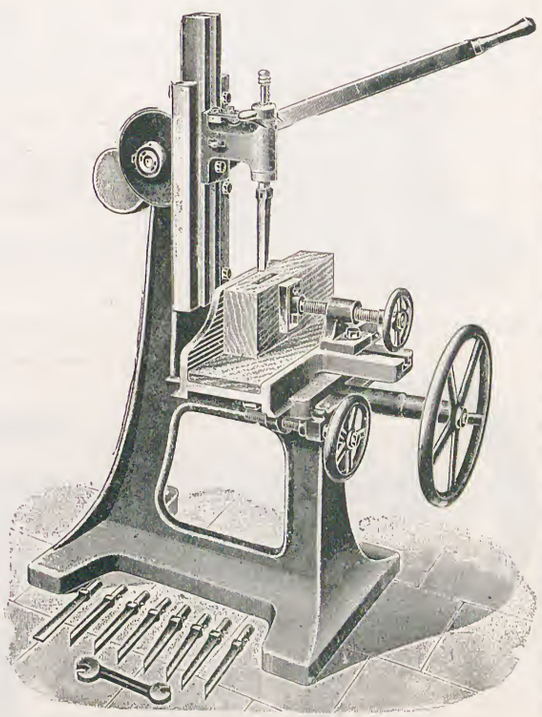
PRICES ARE FOR MACHINES ON RAIL AT LEEDS.

THE "CHALLENGE."

No. 2113.

The "Challenge" has frames in one solid casting. Lever is so placed as to clear the tray & allow of the workman to stand in an easy & convenient position when working. Over 12,000 in daily use. Weight 3½ cwt. Takes in wood 15 ins. × 8 ins. Stroke 6 ins.

Price, including ¼, 5/16, ⅜, 7/16, ½, 9/16, ⅝ and ¾ in. ordinary Chisels, 1 Spanner and Coredriver	£10 17 6
Extra if fitted with special Boring Apparatus, 3 Augers and 3 Drills	1 12 0
Extra if fitted with Tenoning Tool to cut Tenons ⅛ to 1 in.	2 11 0
Extra if fitted with Self Coring Chisels in lieu of ordinary Chisels and Coredriver	1 12 0

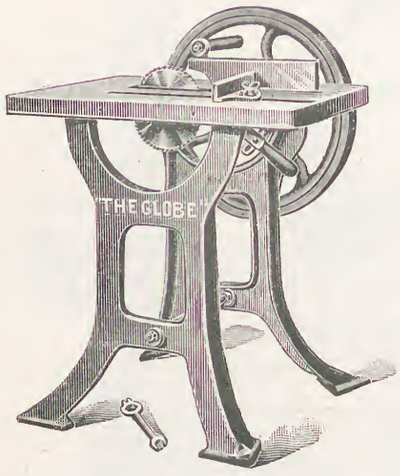


No. 2113. THE "CHALLENGE."

All Working parts are accurately fitted and Chisels are made to reverse true.

PRICES ARE FOR MACHINES ON RAIL AT LEEDS.

HAND AND POWER CIRCULAR SAW BENCHES.



The "Globe." No. 2120.

The "GLOBE" for hand power adapted for Ripping, Cross-cutting, Tenoning, &c. Strong Iron Table 30 in. × 18 in. Planed true, fitted with rising and falling spindle, adjustable parallel fence, heavy fly wheel, geared up to saw spindle with spur wheels. Cuts 2⅝ in. deep with 9 in. Saw but will admit up to 13 in., when cut is 4¾ in. Weight 2½ cwts.

	£	s	d.
Price complete with Parallel Fence, Screw Key and 9 in. Saw No. **2120.**	**8**	**18**	**6**
,, Extra with cross cutting fence		**12**	**9**
This Machine can be supplied as a foot power machine. .. No. **2121.**	**10**	**17**	**6**

We can also fit the "Registered Planing Apparatus" to the Globe which converts Saw Bench into Planing Machine, complete with Feed Roller, &c.. to work stuff up to 2½ ins. square. **Price £7 0 0** Extra.

"EMPIRE."

New Improved Hand Power

CIRCULAR SAW BENCH.

Will cut 4½ in. deep, and Weighs 7 cwt., complete with Rollers.

For the use of Joiners, Builders, Cabinet Makers and Coach Builders. It is also very useful to Contractors as it is readily removed from place to place when required.

The above Bench, 4 ft. by 2 ft., is substantially made of Iron, planed true on the top. It is fitted with Rising and Falling Spindle, Self-acting Feed Motion, Parallel Fence, made to cant, so as to cut bevels, and also to turn over end of Bench to be out of the way of Cross cutting. It is also fitted with Weight and Roller for keeping timber to Fence.

With this Bench one man can cut 3in. deep at the rate of 10ft. in 4 minutes, or 2in. deep at the rate of 10ft. in 2 minutes, thus effecting a saving of 150 per cent. over what can be done with the hand saw.

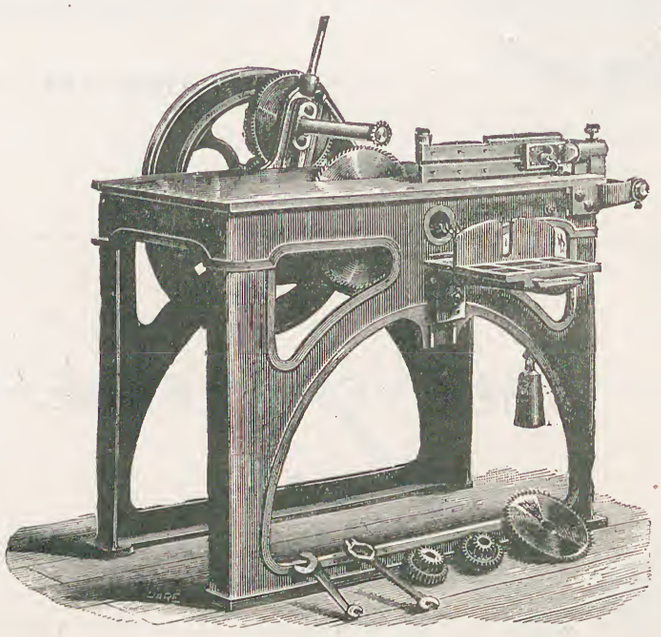
No. 1(including two Circular Saws, viz.: 9in. and 14in.,Six Rollers and Carriers for extending the Bench, 3 Change Wheels for Feed Motion, and one Screw Key)	**£17**	**6**	**6**	each.
No. 2 (if without Feed Motion, and without Rollers and Carriers for extending the Bench)	**14**	**13**	**6**	,,
If fitted with Boring Apparatus and Sliding Table with one Patent Auger	**3**	**0**	**0**	extra.
If fitted with Patent Drag Motion (in addition to above Feed) for heavy work	**2**	**13**	**3**	,,
If with Sliding Fence for Cross Cutting and Mitreing		**14**	**0**	,,
If prepared to work either by Steam or hand, as occasion requires ..		**14**	**0**	,,

Over 6,000 of these are now in daily use and are giving thorough satisfaction.

Both the Saws are sharpened and set ready for immediate use

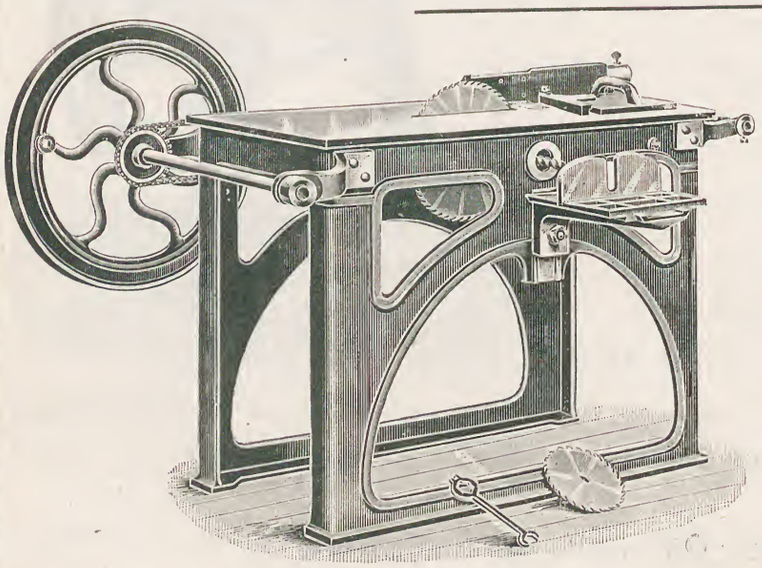
THE "EMPIRE."

FOR TENONING, RABBETING GROOVING, Etc.



FOR RIPPING, CROSS CUTTING, MITREING. Etc.

No. 2125.



No. 2124.

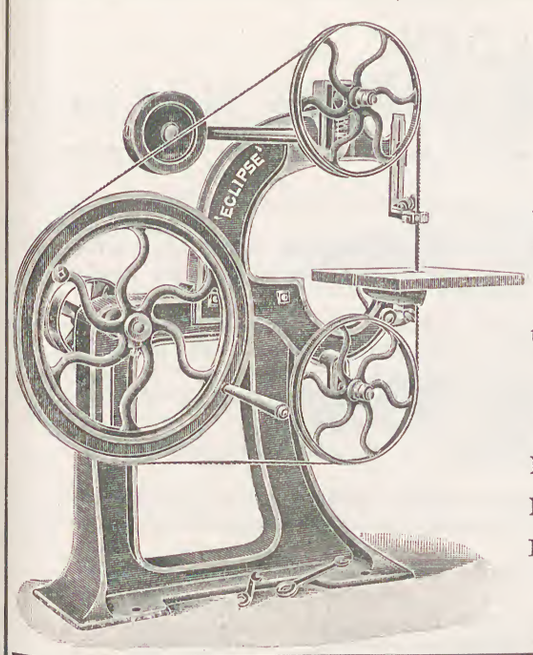
The "EMPIRE No. 3" Improved Hand Power *Cross Cutting* Bench will cut 5 ins. deep, for Tenoning, Cross Cutting, Rabbeting, Grooving, Ripping, Mitreing, &c. It has been specially designed to overcome the limitations to Cross Cutting on the ordinary "Empire" Machine. Will Cross Cut, length unlimited, width 18 to 20 ins. The table is of Cast Iron, planed true on top, with groove cut for sliding cross cutting and mitreing Fence, is 4 ft. × 2 ft. The Bench is fitted with fixed Spindle, parallel Fence, made to cant when cutting bevels, and to turn over end of the machine when cross cutting. Weight 7 cwt. Complete with Saws.

Price complete, with two Circular Saws.

No. **2123**. 9 and 14 ins. diameter, Cross Cutting and Mitreing Fence, and one Screw Key **£16 0 0**

No. **2124**. If fitted with Boring Apparatus, Sliding Table, and one Patent Auger **£18 17 6**

ALL PRICES FOR MACHINES ARE ON RAIL AT LEEDS.



BAND SAW MACHINES.

No. 2114.

The "Eclipse" hand power machine cuts with ease 6 inches deep, but is made so as to admit work 11 inches deep, thus allowing the tenoning of Door Lock Rails.

Table cants and is planed true on top.

Machine is well made and is fitted with patent tension motion to allow for contraction and expansion of saw.

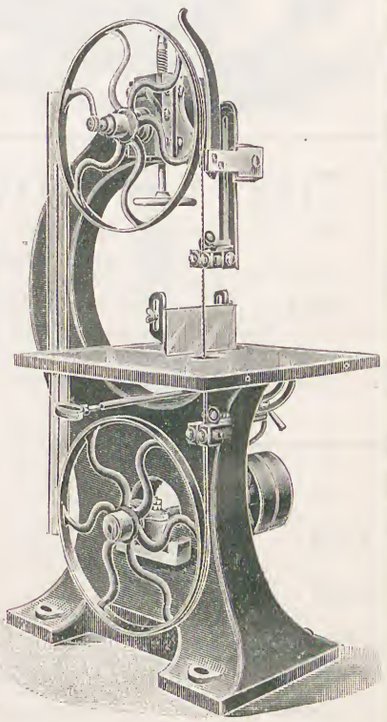
Can also be fitted with Boring Table and Sliding Fence.

If required (without stand) we supply for fitting to Bench.

		£	s.	d.
No. 2114.	**Price**, complete, with Two Screw Keys and 1-⅜ in. Band Saw ..	**14**	**0**	**0**
No. 2115.	,, If fitted for Bench only (without stand)	**10**	**5**	**0**
Extra if fitted for Power with Fast and Loose Pulleys (run at 180 revolutions)		**0**	**12**	**9**
,, for Boring Apparatus and one Auger		**1**	**18**	**6**
,, for Straight Fence for Tenoning		**0**	**12**	**9**

POWER BAND SAW.

No. 2116.



This Machine is entirely new in design and completeness of detail. The frame is cast all in one piece and well proportioned, thereby securing strength and firmness. It is fitted in a first-class manner and no spanners are required for adjustments. The Sliding Box carrying the top pulley can be readily adjusted whilst the machine is in motion, so that the saw can be made to run accurately on any part of the face of the pulleys.

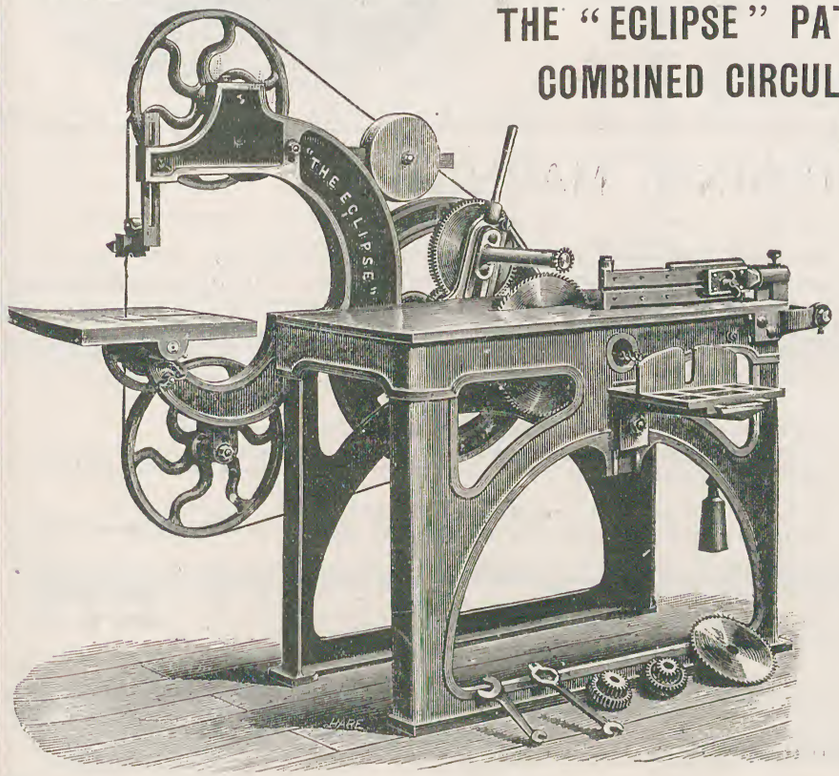
It is also fitted with Steel Compensating Spring, which is so arranged as to allow for the free expansion and contraction of the Saw Blade whilst at work.

The Pulleys, which are covered with India-rubber Bands, are light, strong and truly turned and balanced, thus enabling the machine to be run at a high speed.

The Machine is fitted with Saw Guides and Runners above and below the table. The table will cant or swivel to any angle for the purpose of bevel and straight cutting. For the protection of the workman the saw is fitted with Iron Guard in front and Wood Guard on the side.

	Size of Band Saw Pulleys.	Depth of Cut.	Pulleys.	Speed of Driving Pulleys.	H.P.	Weight.	£	s.	d.
No. 2116.	24 inch.	12 inch.	10 inch.	450 revs.	½	9 cwt.	**26**	**7**	**6**
,, **2117.**	30 ,,	15 ,,	12 ,,	400 ,,	¾	11 ,,	**32**	**0**	**0**
,, **2118.**	36 ,,	18 ,,	14 ,,	350 ,,	1	14 ,,	**42**	**15**	**0**

Adjustable Straight Fence **21/6** extra. Adjustable Canting Fence **57/-** extra.



THE "ECLIPSE" PATENT HAND-POWER COMBINED CIRCULAR AND BAND SAW MACHINE.

No. 2119.

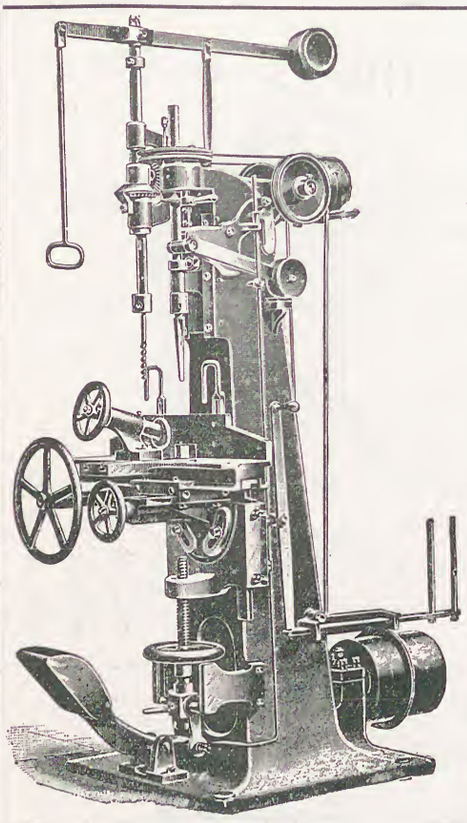
This Machine is a combination of the "Empire" and "Eclipse," and while possessing the whole of their advantages, occupies the space of one machine.

		£	s.	d.
Price, complete, as illustrated, with one each 9 inch and 14 inch Circular, and ⅜ inch Band Saws..		**26**	**2**	**6**
EXTRAS.				
Patent Apparatus for Working by Steam Power.. ..		**2**	**11**	**0**
,, ,, Hand and Power ..		**0**	**12**	**9**
Patent Drag Motion for heavy work		**1**	**18**	**6**
Sliding Fence for Cross Cutting		**0**	**12**	**9**

All Saws are ready for use.

NOTE.—All Band Saw Machines are now fitted free with our Registered Saw Guides above and below the Table, thus obviating the constant breakages of saws.

ALL PRICES FOR MACHINES ARE ON RAIL AT LEEDS.



THE "VULCAN"

Improved High Speed Power Morticing Machine.

We can confidently recommend the above as being a first-class Machine for the use of Joiners, Builders, Cabinet Makers, &c.

It is fitted with improved self-coring Chisels, thus obviating the necessity of driving out the core after every mortice.

The main standard is a hollow box casting, and has the bearings for crank shaft which works the chisel cast on its base; by being so constructed the machine may be safely worked at the rate of 500 strokes per minute.

The table on which the timber to be worked is placed is raised by a foot lever, so that the chisel enters the wood gradually. It is regulated by hand wheel and screw, to adapt it for the various widths of work. It is also fitted with hand wheel and rack, so as to move it backward and forward to suit the different lengths of mortices, and it has a screw clamp to hold the wood firmly in position whilst being operated on.

A useful addition to this machine is an effective swivel or canting arrangement, which enables the operator to mortice at different angles.

The chisel is **instantaneously** reversed by a new and improved automatic reversing motion, which is simple but very effective, and leaves the workman the free use of his hands to manipulate the work.

It can be fitted with a boring apparatus, which will be found very useful for general purposes, or when morticing very hard wood.

The machine will take stuff 11 ins. deep, and the chisel has a stroke of 4½ ins.

Weight about 12 cwt. Average power required, 1 horse.

Driving Pulleys, 10 ins. × 3 ins. Speed, 500 revolutions.

No. 2126.—Price, with 8 Improved Self-coring Chisels **£67 10 0**
¼ 5/16 ⅜ 7/16 ½ 9/16 ⅝ and ¾ inch.

No. 2127.—Price, with 8 Improved Self-coring Chisels, and with Boring Apparatus and 8 Augers, ¼ 5/16 ⅜ 7/16 ½ 9/16 ⅝ ¾ inch **£82 10 0**

THE "HANDY" PLANING MACHINE

Is a very compact Machine, with all the latest improvements. Useful for jointing, bevelling, chamfering, and squaring up any kind of Timber.

The tables are 5 feet overall, have independent vertical adjustment to suit any depth of cut, and cannot be lowered into the cutters.

Fence cants and can be moved across the table.

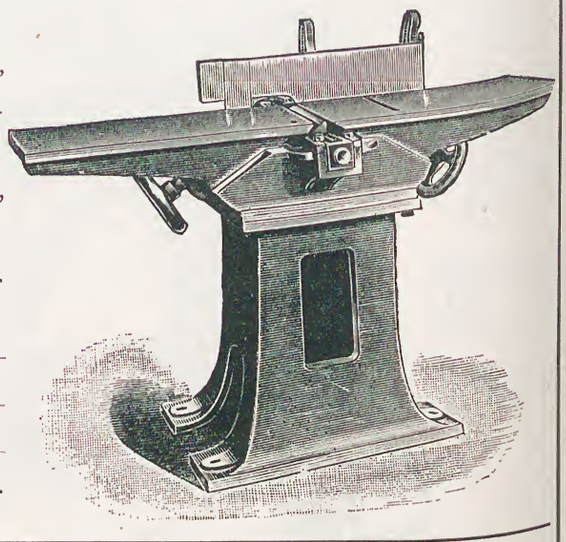
The spindle and cutter blocks are forged in one piece, of superior quality steel, and gives a shearing cut with straight cutters.

Bearings, gun metal.

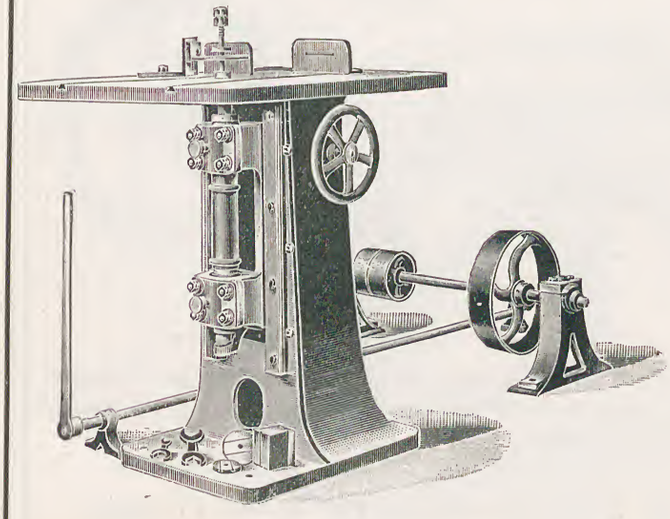
Complete with cast iron plate, guard, spanners, and one set of plane irons.

No.	Will Plane	Pulley on Spindle	H.P.	Pulley on C/s.	Revs. of C/s.	Weight.	PRICE.
2128	8 ins. wide	4 ins.	½	8	800	8 cwt.	**£24 5 0**
2129	12 ,,	4 ,,	½	8	800	9 ,,	**28 10 0**
2130	16 ,,	4 ,,	¾	8	800	10 ,,	**34 5 0**

Suitable Countershaft for either size .. extra **£5 14 0**



CIRCULAR MOULDING MACHINE.



No. 2131.

The latest and most improved Machine for working any kind of mouldings, straight, circular, or irregular shapes, rebating, tongueing, grooving, &c., in any kind of wood.

The spindle and pulley are in one mild steel forging, and runs in extra long gun-metal bearings.

Table is 28 ins. square, planed true, with two plain grooves across it for fences.

Two loose plates for centre hole of table.

Vertical adjustment of spindles is secured by worm, worm wheel, and vertical square-threaded screw.

Pulley on spindle 2¼ ins., Revs. of spindle, 3800, Revs. of C/s. 800, Approximate weight with Countershaft, 6½ cwt. . } **£26 7 6**

EXTRAS.

Square Cutter Block and Bolts **£1 8 6**
If two-way Countershaft instead of ordinary **£1 8 6**

This Machine is also supplied with swing table and cutters for tenoning. Produces work equal to the heaviest and best Tenoning Machine.

PRICES ON APPLICATION.

All Prices for these Machines are On Rail at Leeds.

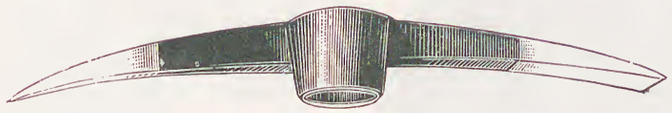
PICKS, SHOVELS, HANDLES, &c.



No. 2132.

No. 2132. Solid Eye Road Pick.

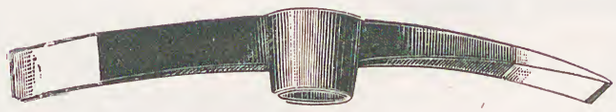
6 lb. and over .. .. **32/6** per cwt.



No. 2133.

No. 2133. Solid Eye Pick Axe.

6 lb. and over .. .. **32/6** per cwt.



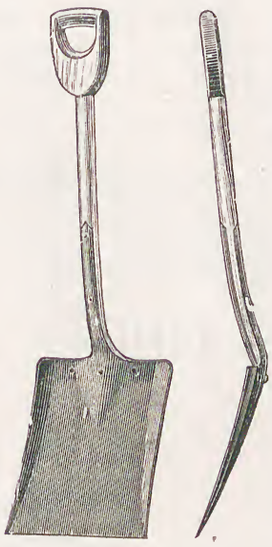
No. 2134.

No. 2134. Solid Eye Mattocks, and **No. 2135** Beaters.

6 lb. and over .. .. **40/-** per cwt.



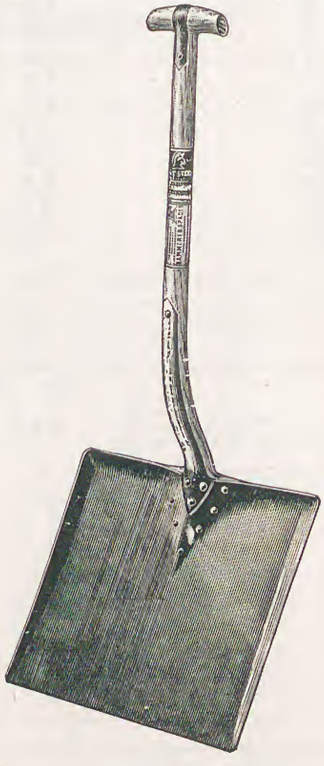
No. 2136. Stamped Steel, Rivetted Eye Handle.



No. 2137. London Shovel, Rivetted Eye Handle

	Nos.	0	1	2	3	4	5	6
	Width	9	9½	10	10½	11	11½	12in.
	Length	11½	12	12½	13	13½	14	14½in.
No. 2136.	Stamped Steel,	**20/6**	**21/-**	**21/6**	**22/-**	**23/-**	**24/-**	**25/-**
,, **2137.**	London Shovel,	**27/9**	**28/6**	**30/-**	**32/-**	**33/6**	**35/-**	**37/6**

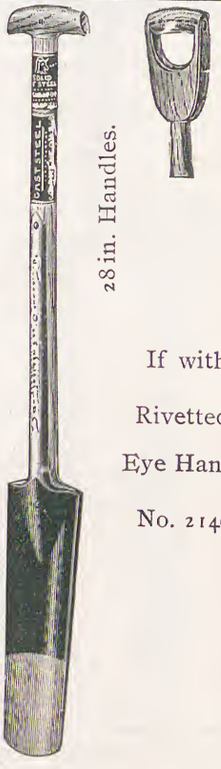
dozen



No. 2138. Rivetted Coal Shovel. Creased. Strapped T Handle.

Nos.	3	4	5	6	7	8
Width	12	13	14	15	16	17in.
Length	12½	13	14	14	14½	15in.
Price,	**32/-**	**33/9**	**36 6**	**39/-**	**41/6**	**46/-**

dozen.



28 in. Handles.

If with Rivetted Eye Handle No. 2140.

No. 2139. Hammered Lancet Draining Tools, T Handles.

Top, wide,	5	6	5½	6	6in.
Bottom, ,,	4	4	3	3½	4in.
Length	15	16	18	18	20in.
No. 2139.	**34/6**	**36/6**	**38/-**	**40/-**	**43/6**
No. 2140.	**38/-**	**40/-**	**41/6**	**43/6**	**47/-**

dozen

HICKORY PICK SHAFTS.



No. 2141.

Lengths	36	39	42 in.
Price,	**9/9**	**12/6**	**13/3** dozen.

HAMMER & SLEDGE HANDLES



No. 2142. Hickory.

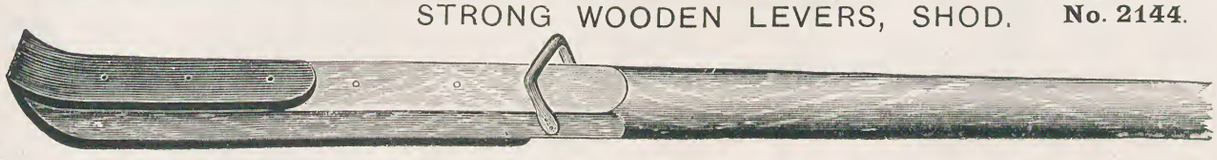
Lengths,	12	14	16	18	24	30	36	42 in.
Price,	**2/3**	**2/9**	**3/3**	**3/6**	**5/-**	**7/3**	**8/-**	**12/-** dozen

Hickory or Ash Axe Handles,	14	16	18	20	24	30 in.
	3/6	**4/6**	**5/-**	**5/6**	**7/-**	**11/-** per dozen.



No. 2143. Platelayers' Solid Steel Crowbar.
42/- per cwt.

STRONG WOODEN LEVERS, SHOD. **No. 2144.**



	8	9	10	12	15 feet
	33/3	**38/-**	**43/6**	**49/6**	**59/-**

each.

BEST OAK TANNED LEATHER BELTING.



No. 2145.

BEST SINGLE STRAPS.

Sewn with Hemp, Thong or Wire.

Width.	Per ft.	Width	Per ft.	Width.	Per ft.
1 in. ..	3½d.	3¾ in. ..	1/6	8 in. ..	3/6
1¼ ,, ..	5d.	4 ,, ..	1/8	8½ ,, ..	3/9
1½ ,, ..	6¼d.	4¼ ,, ..	1/9	9 ,, ..	4/2
1¾ ,, ..	7¼d.	4½ ,, ..	1/11	9½ ,, ..	4/6
2 ,, ..	8d.	4¾ ,, ..	2/-	10 ,, ..	4/7
2¼ ,, ..	9d.	5 ,, ..	2/2	10½ ,, ..	4/11
2½ ,, ..	11d.	5½ ,, ..	2/3	11 ,, ..	5/3
2¾ ,, ..	1/0½	6 ,, ..	2/6	11½ ,, ..	5/4
3 ,, ..	1/2	6½ ,, ..	2/8	12 ,, ..	5/9
3¼ ,, ..	1/3	7 ,, ..	3/-	13 ,, ..	6/3
3½ ,, ..	1/5	7½ ,, ..	3/3	14 ,, ..	6/9

No. 2146.

BEST DOUBLE STRAPS.

Sewn with Hemp, Thong or Wire.

Width.	Per ft.	Width.	Per ft.	Width.	Per ft.
2 in. ..	1/7	5½ in. ..	4/4	11 in. ..	10/3
2½ ,, ..	1/11	6 ,, ..	4/10	11½ ,, ..	10/9
3 ,, ..	2/4	6½ ,, ..	5/4	12 ,, ..	11/3
3¼ ,, ..	2/6	7 ,, ..	5/9	13 ,, ..	12/-
3½ ,, ..	2/10	7½ ,, ..	6/3	14 ,, ..	13/3
3¾ ,, ..	3/1	8 ,, ..	7/3	15 ,, ..	14/3
4 ,, ..	3/3	8½ ,, ..	7/6	16 ,, ..	15/6
4¼ ,, ..	3/6	9 ,, ..	8/-	17 ,, ..	16/6
4½ ,, ..	3/7	9½ ,, ..	8/6	18 ,, ..	17/9
4¾ ,, ..	3/9	10 ,, ..	9/-	19 ,, ..	18/9
5 ,, ..	4/-	10½ ,, ..	9/9	20 ,, ..	19/6

Single Belting is usually sewn either Hemp or Thong; Wire Sewing is strongly recommended for Double Belts.

No. 2147. Solid Woven Cotton Belting, suitable for Flour Mills, Elevators, &c.
Sizes, 1 to 20 ins. wide. Prices on application.

No. 2148.

CAMEL HAIR BELTING.

Width.	Per ft.	Width.	Per ft.	Width	Per ft.	Width.	Per ft.
2 ins. and under	6d.	4½ ins. ..	1/6	9 ins. ..	3/8	18 ins. ..	8/9
2¼ ,, ...	7d.	4¾ ,, ..	1/7	9½ ,, ..	4/-	19 ,, ..	9/4
2½ ,, ...	7½d.	5 ,, ..	1/9	10 ,, ..	4/3	20 ,, ..	10/3
2¾ ,, ...	8½d.	5½ ,, ..	1/11	11 ,, ..	4/10	21 ,, ..	11/-
3 ,, ...	10¼d.	6 ,, ..	2/2	12 ,, ..	5/4	22 ,, ..	12/-
3¼ ,, ...	1/-	6½ ,, ..	2/4	13 ,, ..	6/-	23 ,, ..	12/9
3½ ,, ...	1/1	7 ,, ..	2/7	14 ,, ..	6/6	24 ,, ..	13/9
3¾ ,, ...	1/2	7½ ,, ..	2/10	15 ,, ..	7/1	25 ,, ..	14/6
4 ,, ...	1/4	8 ,, ..	3/2	16 ,, ..	7/9	26 ,, ..	15/3
4¼ ,, ...	1/5	8½ ,, ..	3/5	17 ,, ..	8/3	27 ,, ..	16/3

No. 2149.

"HELVETIA" OR CROWN LEATHER LACES.

	Sewing.	Lashing.	
2 ft. long,	12/-	12/-	per gross.
2½ ,,	18/9	18/9	,,
3 ,,	25/3	30/9	,,
3½ ,,	34/9	38/9	,,
4 ,,	37/3	48/-	,,
5 ,,	61/3	74/8	,,
6 ,,	97/3	104/-	,,

No. 2150.

WHITE OX HIDE LASHING LACES.

2 ft. × ¼ ..	8/9	per gross.
2½ ,, 1/16 ..	13/4	,,
3 ,, 1/16 ..	16/9	,,
3½ ,, 1/16 ..	23/3	,,
4 ,, ⅜ .	33/3	.
4½ ,, ⅜ ..	40/-	,,
5 ,, ⅜ ..	46/9	,,
6 ,, ½ ..	66/9	,,

No. 2151.

WHITE OX HIDE SEWING LACES.

2 ft × 3/16 ..	5/9	per gross.
2½ ,, ¼ ..	10/-	,,
3 ,, ¼ ..	12/-	,,
3½ ,, ¼ ..	15/3	,,
4 ,, 5/16 ..	22/9	,,
4½ ,, 5/16 ..	29/3	,,
5 ,, 5/16 ..	32/-	,,
6 ,, ⅜ ..	42/9	,,

No. 2152.

BEST OIL DRESSED PUMP CUP LEATHERS.

1 in. ..	9/6	per dozen.
1¼ ,, ..	10/6	,,
1½ ,, ..	10/9	,,
1¾ ,, ..	11/3	,,
2 ,, ..	11/9	,,
2¼ ,, ..	12/-	,,
2½ ,, ..	13/-	,,
3 ,, ..	14/3	,,
3½ ,, ..	18/-	,,
4 ,, ..	21/6	,,

No. 2153.

GREEN'S BELT FASTENERS.

	Per 100.
No. 5	1/6
,, 4	2/-
,, 3	2/6
,, 2	3/-
,, 1	4/-
,, 0	5/-
,, 00	6/-

No. 2154.

HARRIS'S PATENT FASTENERS.

	Per doz.
1 in.	6d.
1¼ ,, ...	7d.
1½ ,, ...	8d.
1¾ ,, ...	9d.
2 ,, ...	10d.
2¼ ,, ...	11d.
2½ ,, ...	1/-
3 ,, ...	1/2
3½ ,, ...	1/4

No. 2155.

JACKSON'S PATENT BELT FASTENERS.

Nos. 0 1 2 small.
4/- 4/- 5/6 dozen.

No. 2156.

Nos. 1 2 3 4 5 large
4/6 6/9 7/3 9/- 11/-
Per dozen.

No. 2157.

BEST GUT BANDS.

In 40 yards lengths only.

	Per yard.
⅛ in.	5d.
3/16 ,, ...	10d.
¼ ,, ...	1/4
5/16 ,, ...	2/4
⅜ ,, ...	2/10
7/16 ,, ...	4/-
½ ,, ...	5/-
⅝ ,, ...	9/-
¾ ,, ...	15/-

Shorter lengths charged extra.
Hooks and Eyes extra.

No. 2158.

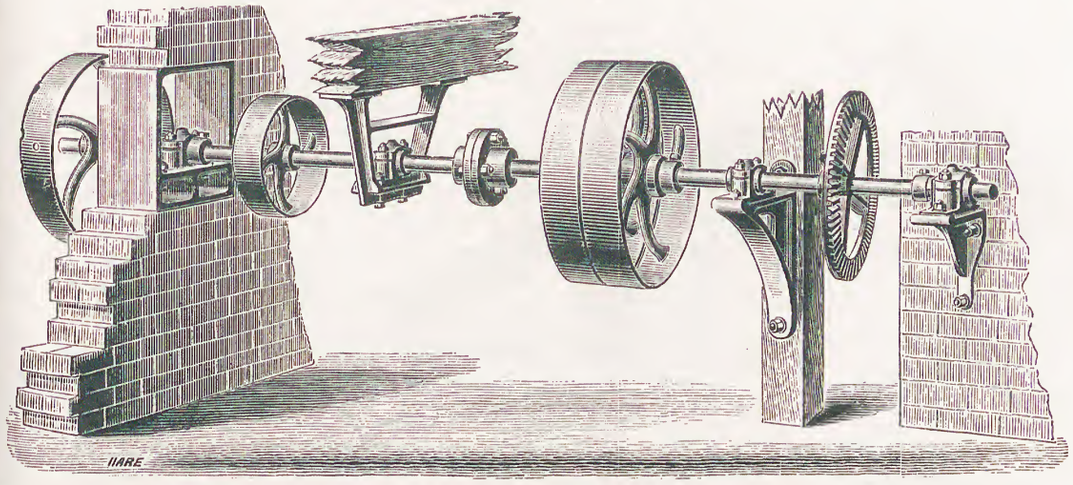
HOOKS AND EYES.

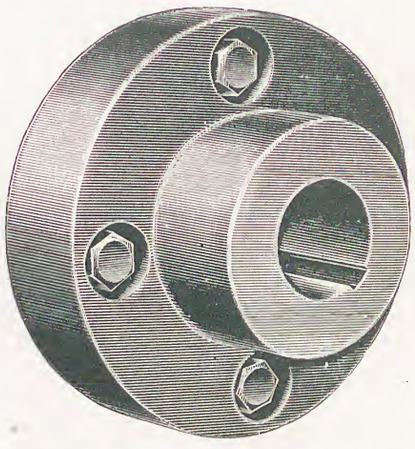
Standard Sizes.

	Per doz. pairs only.
3/16 in.	7/6
¼ ,, ...	7/6
5/16 ,, ...	10/-
⅜ ,, ...	15/-
7/16 ,, ...	22/6
½ ,, ...	30/-
⅝ ,, ...	50/-
¾ ,, ...	70/-

Single pairs extra.

SHAFTINGS, PULLEYS, &c.





TURNED STEEL SHAFTING.

No. **2159.**

Diameter.	Weight per ft.	**Price.**	Distance of Bearings. Full Load.	
ins.	lbs.	per ft.	ft.	ins.
1	2.67	**1/-**	2	6
1¼	4 17	**1/4**	3	0
1½	6.02	**1/8**	4	0
1¾	8.19	**2/-**	5	0
2	10.70	**2/4**	7	0
2¼	13.54	**3/-**	8	0
2½	16.72	**3/8**	9	0
2¾	20.24	**4/4**	9	6
3	24.07	**5/-**	10	0
3¼	28.25	**6/-**	10	3
3½	32.77	**7/-**	10	6
4	42.81	**9/3**	11	0
4½	54.18	**12/9**	12	0
5	64.85	**16/-**	13	0
5½	80.93	**20/-**	14	0
6	96.31	**23/3**	15	0

Intermediate sizes, same prices as next size larger.

Fractions of 6 ins. charged as 6 inches.

FLANGED COUPLINGS, with Recessed Bolts.

No. 2160.

Size of Bore. ins.	Mark.	Diam. of Flange. ins.	Thickness of each Flange. ins.	Length over all. ins.	**Price.** per pair.	Keying on and Facing down. per pair extra.
1	S 349	6¼	1⅛	3⅝	**11/3**	**5/3**
1¼	S 350	6½	1⅛	4¼	**12/9**	**6/-**
1½	S 351	6¾	1⅛	4½	**13/3**	**6/9**
1¾	S 352	7¼	1⅛	5⅛	**17/3**	**8/-**
2	S 187	8¼	1⅜	5¾	**21/3**	**9/-**
2¼	S 193	8¾	1⅜	6¼	**26/9**	**10/-**
2½	S 183	9¼	1⅜	6¾	**30/9**	**10/9**
2¾	S 184	9¾	1⅜	7⅛	**36/9**	**12/-**
3	S 185	10½	1⅝	7¾	**42/9**	**13/3**
3¼	S 188	11	1⅝	8¼	**50/-**	**16/-**
3½	S 194	11½	1⅝	8¾	**56/-**	**17/3**
4	S 186	12¼	1⅝	9¾	**66/9**	**20/-**
4½	S 453	14⅜	2	11	**80/-**	**23/3**
5	S 454	15⅜	2	12	**100/-**	**26/9**
5½	S 455	17½	2⅜	13	**120/-**	**33/3**
6	S 456	18½	2⅜	14	**146/9**	**40/-**

Intermediate sizes, same price as next size larger.

PLUMMER BLOCKS.

Length of Brasses, 1½ Diameters, plus ⅝ inch.

No. 2161.

Size of Bore.	Length of Sole.	Width of Sole.	Centres of Bolt Holes.	Size of Bolts.	Height of Centre from Sole.	**No. 2161. Price.** each,	**No. 2163.** If with Phosphor Bronze Bearings instead of Gun-metal. each.
ins.	ins.	ins.	ins.	ins.	ins.		
1	7¼	1 7/16	5⅞	⅜	1 6/16	**4/9**	**5/3**
1¼	7¾	1 11/16	5⅞	7/16	1 9/16	**6/-**	**7/-**
1½	8¾	2 1/16	6 7/16	½	1¾	**7/3**	**8/9**
1¾	10	2⅜	8 3/16	½	2	**9/3**	**11/3**
2	10¾	2 11/16	8½	⅝	2¼	**12/-**	**14/3**
2¼	11½	3	9 7/16	⅝	2⅜	**15/3**	**18/9**
2½	12⅝	3 5/16	10¼	⅝	2⅝	**19/3**	**23/6**
2¾	13½	3⅝	10 13/16	⅝	2 13/16	**23/3**	**28/6**
3	13⅝	3 15/16	11⅝	¾	3⅛	**30/-**	**36/6**
3¼	14⅝	4 5/16	12¼	¾	3⅜	**37/3**	**45/-**
3½	15⅝	4 7/16	13 1/8	¾	3½	**49/3**	**58/6**
4	18⅜	4⅞	14 11/16	1	3 13/16	**64/-**	**77/3**
4½	19⅞	5⅜	16⅜	1⅛	4¼	**80/-**	**98/9**
5	22	6½	17 7/8	1¼	4¾	**106/9**	**132/-**
5½	23½	6½	19¼	1⅜	5	**133/3**	**164/-**
6	25	7	20⅝	1½	5½	**160/-**	**201/-**

Intermediate sizes, above 2 ins. same price as next size larger.

THESE PLUMMER BLOCKS ARE PLANED ON SOLE.

These are specially recommended for general use, and will be found strong, useful and effective.

They are Planed on Sole, Bored, Faced, and fitted with Top and Bottom Brasses.

CAST IRON SPLIT PULLEYS.

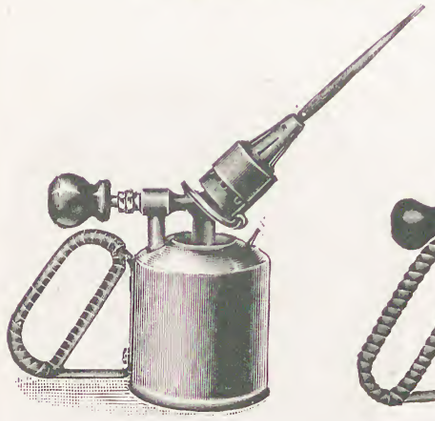
No. 2162.

Dia. ins.	Max. Bore. ins.	WIDTH ON FACE. 3 ins.	4 ins.	5 ins.	6 ins.	7 ins.	8 ins.	9 ins.	10 ins.	
5	3	**7/9**	**8/9**	**9/3**	—	—	—	—	—	ea.
6	3	**8/-**	**9/3**	**10/-**	**10/9**	—	—	—	—	,,
7	3	**8/9**	**10/-**	**10/9**	**11/3**	**13/3**	—	—	—	,,
8	3	**9/3**	**10/9**	**11/3**	**12/9**	**14/9**	**16/9**	—	—	,,
9	3	**10/-**	**11/3**	**12/-**	**13/3**	**15/3**	**17/3**	**20/-**	—	,,
10	3	**10/9**	**12/-**	**14/-**	**15/3**	**17/3**	**19/3**	**21/3**	**23/3**	,,
11	3	**11/3**	**12/9**	**14/9**	**16/-**	**18/-**	**20/-**	**22/-**	**24/-**	,,
12	3	**12/-**	**14/-**	**15/3**	**16/9**	**18/9**	**21/3**	**23/3**	**25/3**	,,
13	3	**12/9**	**14/9**	**16/-**	**17/3**	**19/3**	**22/-**	**24/-**	**26/9**	,,
14	3	**13/3**	**15/3**	**16/9**	**18/-**	**20/-**	**22/9**	**25/3**	**28/-**	,,
15	3	**14/-**	**16/-**	**17/3**	**18/9**	**20/9**	**23/3**	**26/-**	**28/9**	,,
16	3	**14/9**	**16/9**	**18/-**	**19/3**	**21/3**	**24/-**	**26/9**	**29/3**	,,
17	3	—	**19/3**	**21/3**	**22/9**	**25/3**	**26/9**	**30/9**	**33/3**	,,
18	3	—	**20/9**	**22/9**	**24/-**	**26/9**	**28/9**	**32/-**	**35/3**	,,
19	3	—	**22/-**	**24/-**	**25/3**	**28/-**	**30/9**	**34/-**	**37/3**	,,
20	3	—	**23/3**	**25/3**	**26/9**	**29/3**	**32/-**	**35/3**	**38/9**	,,
21	3	—	**24/9**	**26/9**	**28/-**	**30/9**	**33/3**	**36/9**	**40/-**	,,
22	3	—	**26/-**	**28/-**	**30/-**	**33/3**	**36/-**	**39/3**	**42/9**	,,
23	3	—	**27/3**	**29/3**	**31/3**	**34/9**	**37/3**	**42/-**	**44/9**	,,
24	3	—	**28/9**	**30/9**	**32/9**	**36/-**	**39/3**	**43/3**	**46/9**	,,
25	3	—	**30/9**	**33/3**	**36/-**	**39/3**	**42/9**	**46/9**	**50/-**	,,
26	3	—	**32/-**	**34/9**	**37/3**	**40/9**	**44/-**	**48/9**	**52/-**	,,
27	3	—	**33/3**	**36/-**	**38/9**	**42/-**	**45/3**	**50/-**	**54/-**	,,
28	3	—	**34/9**	**37/3**	**40/-**	**43/3**	**46/9**	**51/3**	**55/3**	,,
29	3	—	**36/-**	**38/9**	**41/3**	**44/9**	**48/-**	**52/9**	**56/9**	,,
30	3	—	**37/3**	**40/-**	**42/9**	**46/-**	**49/3**	**54/-**	**59/3**	,,

Split and Bolted up, Bored, Turned Flat or Rounding on Face, and Key-grooved or Fitted with Set Screw.

Flat Faces always sent unless specially ordered otherwise.

PLUMBERS' BLOW LAMPS AND FURNACE.

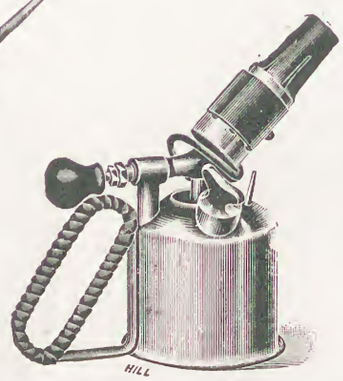


No. 2164.

Benzoline Blow Lamp, with compressed fine flame Jet for Lead Soldering. It is now improved by Windguard so as to burn in all weathers.

Holds Half-pint of Benzoline and burns for 1¼ hours.

Price, 8/6 each.



No. 2165.

Benzoline Blow Lamp.

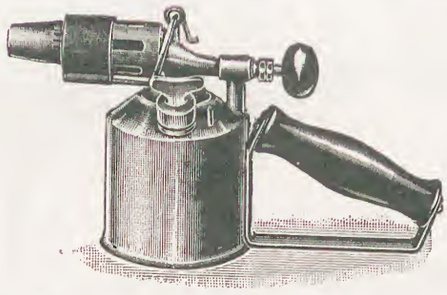
This is the original pattern and is recommended for general use.

It holds ⅔-pint of Benzoline, and will burn without attention for 1½ hours.

Weight 1¾ lbs.

Price 11/3 each.

Including Box of reserve parts.



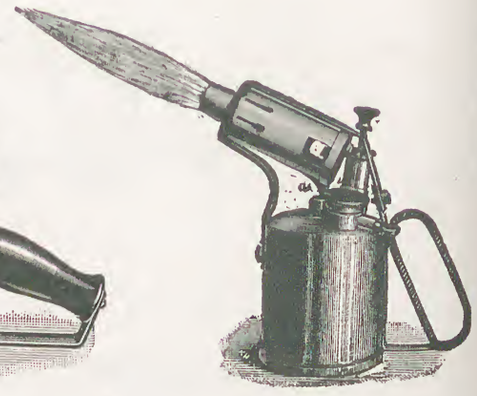
No. 2166.

Benzoline Blow Lamp, New Pattern, with improved Handle, making it very easy and convenient to handle.

The Flame Tube is horizontal, otherwise it is the same in every respect as the original No. 2165 pattern.

Price 12/6 each.

Including Box of reserve parts.



No. 2167.

Blow Lamp to burn Paraffin Oil.

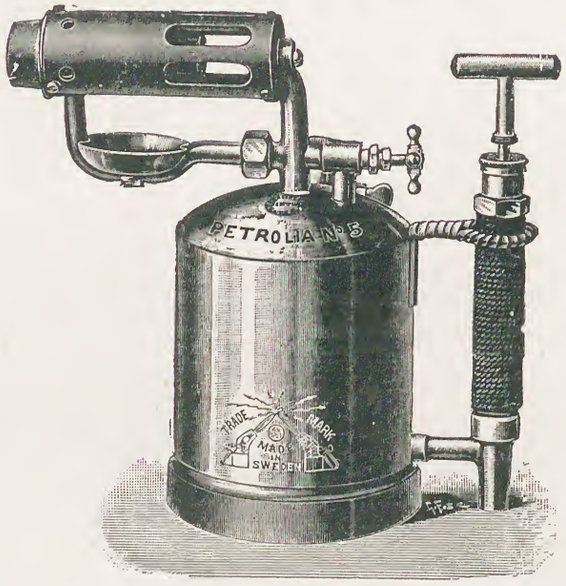
It burns upside down or in any other position, and is not affected by wind or rain. Length of flame is 10 inches.

No. 2167. One-pint, weight 2½ lbs., **16/-** each.

No. 2168. Two-pint, weight 3 lbs, **18/6** each.

The consumption of paraffin is one half-pint per burning hour.

THE "PETROLIA."



No. 2169.

Paraffin Brazing Lamp.

The Flame can be shut off or reduced while maintaining the air pressure in the tank. The Tank remains perfectly cool. Burners easily cleaned. Tank and all working parts made of Hard, Non-porous Brass. Pumping required at intervals of half an hour only.

		Capacity of Tank.	Weight Empty.	Consumption per hour.	Price each.
No. 2169.	Horizontal	2½ pint.	3¼ lbs.	2¼ pints.	**29/9**
,, **2170.**	,,	6 ,,	6 ,,	4½ ,,	**67/-**
,, **2171.**	Inclining Burner	1¼ ,,	2¼ ,,	1¾ ,,	**23/6**
,, **2172**	Vertical Burner	1¼ ,,	2¼ ,,	1¾ ,,	**23/6**
,, **2173.**	Vertical Burner	2½ ,,	3¼ ,,	2¼ ,,	**31/6**

"LONDON" FURNACE.



No. 2174.

For Universal Use. Burns Paraffin.

In the **"London Furnace"** we have combined **all the advantages** introduced in our other furnaces, and have been able to make several **further improvements.** The Lamp itself is of Brass.

The burner of this lamp is equally **as powerful as two ordinary burners.** The lamp stove itself can be **taken out** for cleaning, repairs, etc.

Iron Pipes up to 1½ in. (inner diameter) can be heated for bending in the flame **while** the lead is being melted in the pot. In the same manner Plumbers' Soldering Irons and Copper Bits can be introduced by the side doors, as shown in the illustration.

26 lbs. of Plumbers' Metal was melted in nine minutes. 1¼ in. Steam Pipe red hot for bending in ten minutes.

Tank holds 3¼ pints of Paraffin. One filling will last for 2½ hours. Weight with Pot 24 lbs. Pots hold 26 lbs. of Plumbers' Metal.

"The **Clay Cover**" (see illustration) is not sent unless ordered. It is most useful in Heating Pipes for Bending.

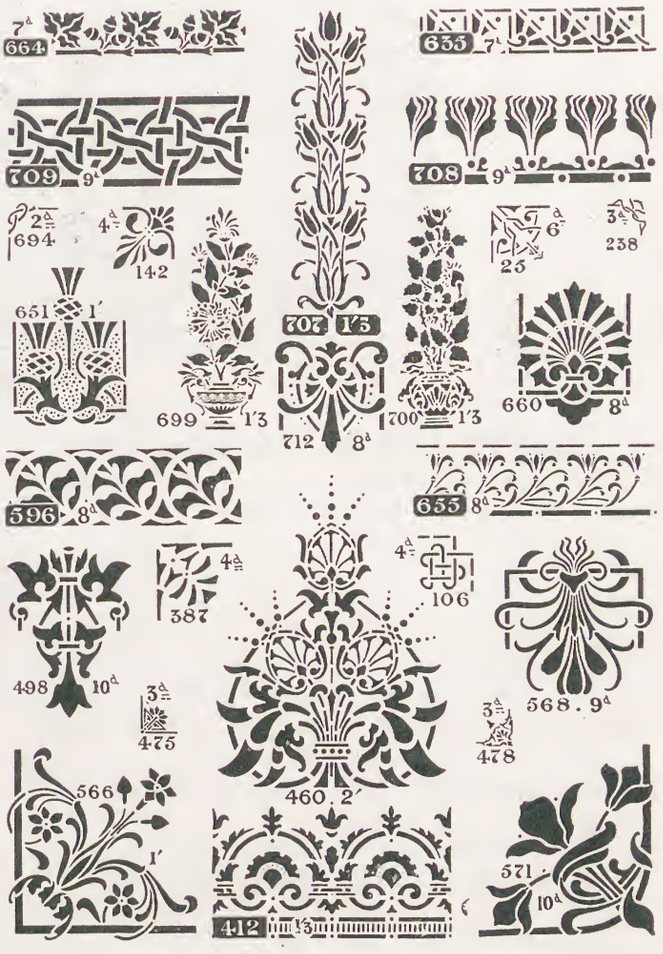
No. 2174. Price, Complete with Melting Pot .. .. .. **46/-** each. (without Soldering Irons).

,, **2175.** ,, of Fire-Clay Cover for Heating Pipes .. **1/4** ,,

SUPERIOR CUT STENCILS FOR DECORATORS.



This **No. 2176** Parcel of 23 Cut Stencils for **16/6**



This **No. 2177** Parcel of 26 Cut Stencils for **18/6**

Scale—One inch to one foot.

ANY SINGLE CUT STENCIL AT MARKED PRICES.

STENCIL PLATES, BOXES, BRUSHES AND INK.

Plain Letters and Figures.

No. 2178.

Sizes up to	½	¾	1	1¼	1½	2	2½	3 ins.
	1/3	**1/3**	**1/4**	**1/8**	**2/-**	**2/9**	**3/6**	**4/-**

per dozen.

Ornamental Letters and Figures.

No. 2179.

Sizes up to	½	¾	⅞	1	1⅛ ins.
	2/8	**4/-**	**4/-**	**4/3**	**4/6** dozen.

Stencil Brushes.

No. 2180.

Lengths	4	4½	5¼	5½ ins.
Dia. at Bristles	¾	1	1¼	1½ ,,
	5/6	**8/-**	**12/-**	**16/-** doz.

Blocks of Solid Ink.

No. 2181. Black.

Sizes	2½×1½	3×2	3¼×2½	4×3½ ins.
	5/6	**7/6**	**10/6**	**13/6**

per dozen.

Round Boxes of Solid Ink.

No. 2182. Black.

Boxes	2	3	4 ins. diam.
	5/6	**8/-**	**16/-** per doz.

Solid Stencil Inks.

Red, Blue and Green.

In Round Tins. **No. 2183.**

Nos.	1	2	3
	8/-	**12/-**	**40/-** per doz.

Complete Stencilling Boxes.

No. 2184.

A, with Ink, Brush, Alphabet and Figures, from ¼ to 1 in.		**5/6**
B ,, ,, ,, ,, ,, ,,		**4/-**
C ,, ,, ,, ,, ,,	2 in.	**10/-**
D ,, ,, ,, ,, ,,	2½ in.	**12/-**
E ,, ,, ,, ,, ,,	3½ in.	**17/6**

each.

STENCIL PLATES

CUT TO ORDER.

For the use of Architects, Builders, Solicitors and others.

OIL AND COLOUR LIST.



WHITE LEAD, DRIERS, &c.

White Lead, Genuine Old, Red Lead, Genuine, Red Lead, No. 1. Prices on application.

	Per cwt., in 5 cwt. Lot.	Per cwt.	Per 56 lb.
Driers, patent, No. 1	24/-	24/9	12/9
,, .. 2	17/6	18/-	10/-
Sugar of Lead Driers	40/-	44/-	23/-
Putty, Linseed Oil	12/-	12/9	6/6
Anti-Corrosive White Paint ..	34/9	36/-	18/9

MIXED PAINTS READY FOR USE.

In 1, 2, 4, 7, 14 and 28 lb. Tins.

In 1 cwt. Lots and over, ...	—	40/- per cwt.
Less Quantities	—	42/6 ,,

PAINTS, GROUND IN OIL.

BLUES.

Imperial, Light and Dark, No. 1, 10d. per lb.
,, ,, ,, 2, 8d. ,,
,, ,, ,, 3, 6d. ,,

	Per cwt.	Per 56 lb.	Per 28 lb.
Navy and Dark, No. 1	37/6	19/3	10/-
,, ,, ,, 2	29/6	15/3	8/-

Ultramarine, No. 1, 1/- per lb.
,, ,, 2, 10d. ,,
,, ,, 3, 7d. ,,
Prussian, ,, 0, 2/3 ,,
,, .. 1, 1/11 ,,
,, ,, 2, 1/4 ,,

Sky & Azure, .. 1, ...	40/-	20/9	10/9
,, ,, ,, 2, ...	29/3	15/3	8/-

GREENS.

Imperial	50/-	26/-	13/3

Emerald, No. 1, 1/4 per lb.
,, ,, 2, 10d. ,,

Brunswick all shades, No. 1 ..	32/-	16/9	8/9
,, ,, ,, 2 ..	24/-	12/9	6/9
Bronze	40/-	20/9	10/9
Invisible	37/6	19/3	10/-
Olive, No. 1	42/9	22/-	11/9
,, ,, 2	34/9	18/-	9/6

REDS.

Priming, ready for use	33/3	17/3	9/-
Venetian	26/9	14/-	7/6
Turkey, No. 1	53/3	29/-	15/3
,, ,, 2	40/-	21/-	10/9
Indian, ,, 1	48/-	24/9	13/-
,, ,, 2	40/-	20/9	10/9
Red Oxide, No. 1	32/-	16/9	8/9
,, ,, 2	24/-	12/9	6/9
,, ,, 3	20/-	10/9	5/9
Signal, ,, 1	60/-	30/9	16/-
,, ,, 2	48/-	24/9	13/-
,, ,, 3	38/9	20/-	10/9

PAINTS GROUND IN OIL—*continued.*

YELLOWS.

	Per cwt.	Per 56 lbs.	Per 28 lb
Yellow Ochre, No. 1	45/-	23/3	12/-
,, ,, 2	32/-	16/9	8/9

Chrome, all shades, No 1, 1/- per lb.
,, ,, ,, 2, 8d. ,,

Imperial	32/-	16/9	8/9
Stone Ochre	32/-	16/9	8/9

BROWNS.

Purple Brown, No. 1	40/-	20/9	10/9
,, ,, 2	32/-	16/9	8/9
English Umber	32/-	16/9	8/9
Turkish ,, Raw, No. 1 ..	48/-	24/9	13/-
,, ,, ,, ,, 2 ..	37/3	19/3	10/-
,, ,, ,, ,, 3 ..	29/3	15/3	8/-
,, ,, Burnt	40/-	20/9	10/9
Terra de Sienna, Raw	60/-	30/9	16/-
,, Burnt	74/-	38/-	19/3
Vandyke	53/-	27/3	14/3
Chocolate	26/6	14/-	7/3
Slate Colour, No. 1	37/3	19/3	10/-
,, ,, 2	32/-	16/9	8/9
,, ,, 3	26/6	14/-	7/3
Lead ,, ,, 1	37/3	19/3	10/-
,, ,, ,, 2	32/-	16/9	8/9
,, ,, ,, 3	26/6	14/-	7/3
Stone ,, ,, 1	37/3	19/3	10/-
,, ,, ,, 2	32/-	16/9	8/9
,, ,, ,, 3	26/6	14/-	7/3
Purple Paint	29/3	15/3	8/-
French Grey, No. 1 ..	40/-	20/9	10/9
,, ,, ,, 2	32/-	16/9	8/9
Drab, Light or Dark, No. 1 ..	40/-	20/9	10/9
,, ,, ,, 2 ..	32/-	16/9	9/-

DRY COLOURS.

BLACKS.

	Per cwt.	Per 56 lb.	Per 28 lb.
Lamp Black, Loose	22/9	11/9	6/-
Drop ,, No. 1	66/9	34/-	17/3
,, ,, ,, 2	54/-	28/9	14/9
Vegetable. ,, 1	77/-	39/3	20/-
,, in 7 lb. Casks, each, 8/-			
Black Lead	26/9	14/-	7/3
Mineral	12/-	6/9	3/9

BLUES.

Brunswick No. 1	48/-	24/9	13/-
,, ,, 2	37/6	19/3	10/-
Celestial, ,, 1	36/-	18/9	9/9
,, ,, 2	29/3	15/3	8/-
Ultramarine, No. 1 ..	1/6 per lb.		
,, ,, 2 ..	1/2 ,,		
,, ,, 3 ..	9d. ,,		
Prussian, ,, 1 ..	3/- ,,		
,, ,, 2 ..	2/3 ,,		

Orders of the value of £10 will be sent Carriage Paid.

OIL, COLOUR, AND VARNISH LIST.

DRY COLOURS (*Contd.*).

	Per cwt.	Per 56 lb.	Per 28 lb.
GREENS.			
Imperial, No 1	1/- per lb.		
,, ,, 2	8d ,,		
Bronze	40/-	20/9	10/9
Brunswick, all shades No 1	40/-	20/9	10/9
,, ,, ,, 2	26/6	14/-	7/3
Mineral	3/- per lb.		
Emerald, No. 1	2/- ,,		
,, ,, 2	1/4 ,,		
,, ,, 3	1/- ,,		
,, Tinted Green, No. 1	10d. ,,		
,, ,, ,, 2	7d. ,,		
REDS.			
Chinese	11d. per lb.		
Persian	1/- ,,		
Indian, No. 1	8d. ,,		
,, ,, 2	5d. ,,		
Venetian	10/3	6/-	3/3
Turkey, No. 1	1/4 per lb.		
,, ,, 2	8d. ,,		
Rose Pink	8d. ,,		
Vermilion (Genuine)	5/- ,,		
Vermilionette, No. 1	1/3 ,,		
,, ,, 2	1/- ,,		
LAKES.			
Crimson, No 1	20/- per lb.		
,, ,, 2	13/- ,,		
,, ,, 3	10/- ,,		
Scarlet. No. 1	20/- ,,		
,, ,, 2	13/- ,,		
,, ,, 3	10/- ,,		
Mahogany, No. 1	8/- ,,		
Yellow	8/- ,,		
Victoria	6/- ,,		
YELLOWS.			
Yellow Ochre	9/3	5/-	3/-
French ,,	13/3	7/3	4/-
Chrome, No. 1	1/3 per lb.		
,, ,, 2	1/- ,,		
,, ,, 3	10d. ,,		
Imperial No. 1	29/3	15/3	8/-
,, ,, 2	20/-	10/9	5/9
BROWNS.			
Chocolate No. 1	29/3	15/3	8/-
Spanish ,, 1	13/3	7/3	4/-
,, ,, 2	10/9	6/-	3/3
Purple ,, 1	40/-	20/9	10/9
,, ,, 2	26/9	14/-	7/3
Vandyke	37/3	19/3	10/-
Burnt Turkey Umber No. 1	48/-	24/9	12/9
,, ,, ,, 2	37/3	19/3	10/-
Raw ,, ,,	37/3	19/3	10/-
English Umber	10/9	6/-	3/3
Raw Terra de Sienna	8d. per lb.		
Burnt ,, ,,	9d. ,,		
Oxide of Iron	17/3	9/-	5/-

OILS.

Subject to alteration without notice.

	Per Gal. in 40 to 45 Gal. Barrels,	Per Gal. in 10 or 20 Gal Drums.	Per Gal. in smaller Lots.
Linseed, Raw, Genuine	Prices on Application.		
,, **Boiled**			
Turpentine, Best American			
Cleaning, for Engines	1/7	1/8	1/9
Colza No. 1	4/-	4/2	4/3
,, ,, ,, 2	3/3	3/6	3/9
Cylinder ,, 1	4/-	4/3	4/6
,, ,, ,, 2	3/-	3/2	3/3
Gas Engine	3/9	4/-	4/3
Castor, for Dynamos	4/-	4/3	4/6
Lard No. 1	6/9	7/-	7/3
,, ,, ,, 2	6/-	6/3	6/9

VARNISHES, &c.

In 1 Gallon Tins. (Tins free)

	Per Gal. in 10 Gal. Lots.	Per Gal. in 5 Gal. Lots.	Per Gal. smaller Lots.
Oak Varnish, Fine No. 1	7/-	7/3	7/9
,, ,, Pale ,, 2	9/-	9/9	10/-
,, ,, Inside ,, 3	9/-	9/9	10/-
,, ,, Outside ,, 4	9/-	9/9	10/-
,, ,, Extra Hard Drying ,, 5	9/9	10/-	10/3
,, ,, Extra Quick Drying ,, 6	10/-	10/3	10/9
,, ,, Pale Church ,, 7	10/9	11/3	11/9
,, ,, Superfine Pale ,, 8	11/-	11/9	12/-
,, ,, **Copal** ,, 9	10/9	11/-	11/3
,, ,, Fine Pale Copal ,, 10	15/3	16/-	16/3
,, ,, Best Outside Copal ,, 11	16/-	16/9	17/3
,, ,, Pale Elastic ,, 12	16/-	16/9	17/3
Copal Paper ,, 13	13/3	13 9	14/3
Elastic Pale Carriage ,, 14	21/3	22/-	22/9
,, Copal Body ,, 15	24/-	24/9	25/3
Maple, Best Pale ,, 16	17/3	18/-	18/9
Oil, White ,, 17	30/9	31/3	32/-
Boat Varnish ,, 18	16/9	17/3	18/-
Black Japan ,, 19	14/3	15/-	15/6
Brunswick Black ,, 20	6/-	6/9	7/3
French Polish, White ,, 21	9/9	10/6	10/9
,, Brown ,, 22	9/3	10/-	10/6
Gold Size, Fine Japan ,, 23	10/6	10/9	11/3
Knotting, Best Pale ,, 24	12/-	12 6	13/-
Stain, Water (except Ebony) ,, 25	6/9	7/-	7/3
,, Oil ,, 26	10/3	11/-	11/9
,, Varnish ,, 27	10/3	11/-	11/9
Terebine ,, 28	7/9	8/-	8/9

Varnishes sent carriage paid in £5 lots.

MANDERS' VARNISHES.

	Per Gallon.
Oak, for Indoor Work No. 2185	13/3
Fine Oak, for Outdoor Work ,, 2186	16/-
Fine Copal, for Indoor Work ,, 2187	18/9
Pale Copal, for Outdoor Work ,, 2188	21/3
Hard Drying Oak, for Church Seats, &c. ,, 2189	13/3
Pale Copal Carriage Varnish ,, 2190	24/-

NOBLE & HOARE'S VARNISHES.

Best Hard Oak, for Indoor Work ,, 2191	16/-
Best Elastic Oak, for Outdoor Work ,, 2192	16/-
Fine Hard Copal, for Indoor Work ,, 2193	21/3
Fine Elastic Copal, for Outdoor Work ,, 2194	21/3
Best Hard Carriage ,, 2195	21/3
Best Extra Hard Church Oak ,, 2196	16/-

HARLAND'S VARNISHES.

Extra Pale Oak, Inside or Outside ,, 2197	16/-
Pale Copal, for Inside Work ,, 2198	21/3
Decorators' Carriage Varnish ,, 2199	21/3
Church Oak Varnish ,, 2200	16/3

&c., &c.

OILS. (*Contd.*)

Subject to alteration without notice.

	Per Gal. in 40 to 45 Gal. Barrels.	Per Gal. in 10 or 20 Gal. Drums.	Per Gal. in smaller Lots.
Lubricating No. 1	3/-	3/2	3/3
,, ,, ,, 2	2/4	2/7	2/9
Neat's Foot ,, 1	4/9	4/10	5/-
,, ,, ,, 2	4/-	4/2	4/3
Olive Machinery	4/3	4/9	5/-
Paraffin	Prices on Application.		
,, Water White			
Rape, Brown	4/-	4/3	4/6
,, Refined	4/3	4/6	4/9
Sperm No. 1	5/3	5/6	5/8
,, ,, ,, 2	4/-	4/3	4/6
Machine	3/-	3/1	3/3

SUNDRIES.

Beeswax, Yellow .. .. ..per lb. **2/7**
Berlin Black .. .. ..gallon **12/6**
Boiler Fluid .. .. .. ,, **5/3**
Borax, Crystal .. .. ..cwt. **23/-**
,, Powdered .. .. .. ,, **25/-**
Cement, Portland .. .. ..sack **8/-**
1/- allowed for sack when returned carriage paid and in good condition.
,, "Purimachos Fire"
Including drums, ¼ cwt. ..drum **9/9**
,, ½ ,, .. ,, **17/-**
,, 1 ,, .. ,, **27/6**
Chamois Leathers (according to size)
Best quality, from ..dozen **14/-**
2nd ,, ,, .. ,, **9/-**
Cotton Waste, Coloured, No. 1 .. ..cwt. **22/3**
,, ,, 2 .. .. ,, **30/3**
,, ,, 3 .. .. ,, **41/9**
,, White, No. 1 .. .. ,, **33/9**
,, ,, 2 .. .. ,, **39/-**
,, ,, 3 .. .. ,, **46/-**
Other qualities of Waste can be supplied if desired.
"Cyanite" Fireproof Paints and Stains ..gallon **12/9**
,, Enamel Paints .. .. ,, **16/9**
,, Green and other Oil Stains .. ,, **16/9**
Floor Polish, "P. & P." .. ..lb. **1/4**
,, "Ronuk Household," in 2lb. tins..doz. tins **56/9**
Gold Leaf, Best English Deep, in books of 25 leaves .. ..per book **2/-**
,, Transferred, for outdoor work .. ,, **2/3**
Grease, Cart, in barrels (free) .. ..cwt. **7/3**
,, Motor, ,, ... ,, **33/-**
,, Paraffin ,, ... ,, **32/-**
,, Petroleum ,, ... ,, **32/-**
Pitch, British, in barrels.. .. ..cwt. **7/3**
,, ,, firkins.. .. .. ,, **8/-**
,, Swedish, in barrels .. .. ,, **10/6**

,, In boxes	1	2	4	7	14	28 lbs.
British	**13/3**	**12/6**	**11/6**	**10/9**	**9/9**	**8/9** cwt.
Swedish	**16/9**	**16/-**	**15/-**	**14/3**	**13/3**	**12/6** ,,

Pumice Stone, Powdered .. ..cwt. **10/-**
,, Lump .. .. .. ,, **20/-**
,, Block, in 1 cwt. free casks .. ,, **40/-**

Rosin, Common, in barrels .. ..cwt. **12/6**
,, ,, in ½ and 1 cwt. kegs .. ,, **13/3**
,, Pale Amber, in barrels .. .. ,, **13/3**
,, ,, in ½ and 1 cwt. kegs .. ,, **14/3**
Sanitary Powder, No. 1 .. .. ,, **18/9**
,, 2 .. .. ,, **25/-**
,, in tins .. ..dozen **16/-**
Sanitary Fluid, No. 1 .. .. ..gallon **7/3**
,, 2 .. .. ,, **5/6**
"Siderosthen" Anticorrosive Paint for Iron Fencing ,, **5/-**
,, ,, in 1 cwt drums..cwt. **48/-**
Size, "Youngs' X D" .. per firkin **3/3**..cwt. **12/-**
,, ,, "Treble Extra" ,, **4/-** .. ,, **15/6**
,, ,, "Patent" .. .. ,, **24/9**
,, "Cannon's Concentrated" in 1lb. packets, best quality .. .. ..per lb **11d.**
,, Cannon's Patent Concentrated Sanitary Size .. .. .. ,, **1/2**

Soda	½	1	2 cwt. bags	2 cwt. casks
	121/9	**104/9**	**103/-**	**107/6** per ton

Sponges, Mediterranean "Honeycomb" bleached or unbleached 1st 2nd cut
From **8/-** **2/6** **2/6** dozen.
,, "Cuban" bleached, 1 doz. on string..
Yellow cut .. from..dozen **4/-**
Grass cut .. ,, .. ,, **3/-**
,, "Velvets" for toilet, bath and carriage use, bleached or unbleached, 1 doz. on string .. ..
Cut pieces .. from.. ,, **6/-**
Natural shapes.. ,, .. ,, **12/-**
,, Wool Shapes, for toilet and bath, 1 doz. on string .. .. from.. ,, **12/-**
Tallows, Town, in barrels (free) ..cwt. **48/9**
,, Australian ,, .. ,, **53/3**
Tar, Stockholm, in barrels .. ..barrel **36/-**
,, ,, ½-barrels .. ..½-barrel **22/3**
,, Refined Coal, in barrels .. ..barrel **18/9**
,, ,, in drums .. ..gallon **7d.**
Whiting, Ball .. .. ..cwt **2/3**
,, Gilder's .. .. .. ,, **2/9**

VELURE

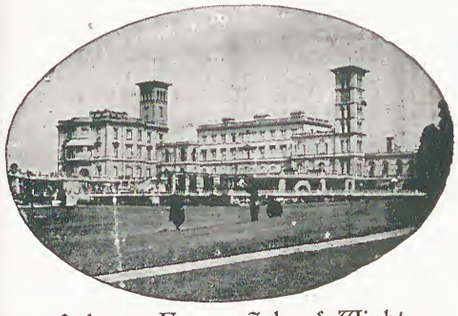
Has been used with entire satisfaction on these Buildings, Ships, &c., besides many other Structures.



Windsor Castle.



Royal Yacht—"Victoria and Albert."



Osborne House, Isle of Wight.



Shamrock III.



Addenbrooke's Hospital, Cambridge.

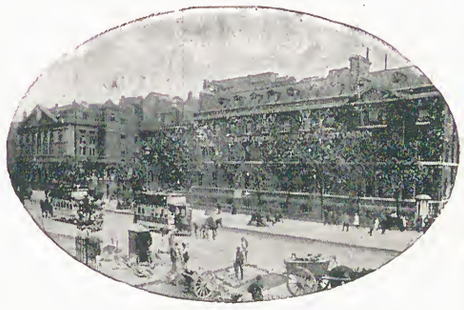
1 White.	127 Ivory White.	23 Cream.	30 Drab.
21 Rose Pink.	16 Vermilion.	114 P.O. Red.	8 Signal Red
68 Sea Green.	67 Electric Green.	77 Malachite Green	73 Zinc Green.
10 Old Gold.	44 Dark Stone.	29 Oxidised Red.	11 Chocolate.
65 Lt. Azure Blue,	110 Cornflower.	42 Pale Blue.	59 Ultramarine.
43 Sandstone.	2 Primrose.	15 Lemon.	49 Poppy Red.
6 Dark Green.	101 Engine Green.	72 Ship Green.	54 Purple Brown.



Houses of Parliament, Westminster.



Royal Yacht—"Osborne."



London Hospital.



H.M. Training Ship—"Seaflower."



Smedley's Hydro, Matlock.

VELURE is not an enamel. It is much more elastic, more economical, more durable, and covers more surface. Sanitary. Washable. Will not crack, chip, peel, blister or fade.

FOR PRICES SEE NEXT PAGE.

VELURE

A new and perfected Japan Paint, with remarkable spreading, elastic and weather resisting properties. Sanitary. Washable. Will not crack, chip, peel, blister or fade. One coat equals two of paint and one of varnish. Supplied in any shade. One gallon applied on a flat non-absorbent surface will cover about 90 square yards.

PRICE LIST OF STOCK COLOURS. Per Gallon (in gall. cans).

No.	BLACKS.	
78	Black	23/6
12	Drop Black	
	BROWNS.	
95	Bronze	26/9
27	Brown	
9	Arabian Brown	
11	Chocolate	
56	Chestnut	
3	Deep Fawn	
89	Fawn	
57	Havanah Brown	
91	Light ,,	
55	Mahogany ,,	
85	Mast ,,	
88	Mouse ,,	
90	Nut ,,	
87	Oak, Dark	
86	,, Light	
54	Purple Brown	
17	Umber, Dark	
18	,, Deep Burnt	
13	,, Light ,,	
24	,, Pale	
108	Golden Brown	31/9
113	Khaki	
106	Light Chocolate	
	WHITES.	
1	White	31/9
20	Ivory White	
127	,, ,,	
112	China ,, for inside only	
107	Flat ,, ,, ,,	

No.	GREENS.	
7	Bronze Green	31/9
4	Cucumber ,,	
75	Chrome ,,	
6	Dark ,,	
67	Electric ,,	
70	Emerald ,,	
101	Engine ,,	
69	Grass ,,	
116	Holly ,,	
99	Hedge Sparrow Egg	
19	Leaf Green	
77	Malachite ,,	
92	Moss ,,	
104	,, ,, Light	
14	Myrtle ,,	
71	Navy ,,	
74	Olive ,,	
102	Pea ,,	
5	Peacock ,,	
76	Sage ,,	
68	Sea ,,	
96	Shamrock ,,	
72	Ship ,,	
73	Zinc ,,	
	GREYS.	
83	Cement Colour	
82	Dove Grey	
80	Fashion Grey	
81	French ,,	
98	Lavender ,,	
105	Lead ,,	
115	Light ,,	
22	Pearl ,,	
26	Slate ,,	
79	Slate, Dark	

No.	GREYS—*continued.*	
100	Smoke	31/9
94	Smoke, Dark	
	BLUES.	
65	Azure, Light	31/9
110	Cornflower Blue	
63	Electric Blue	
28	Light ,,	
42	Pale	
61	Paris ,,	
62	Peacock ,,	
60	Royal ,,	
66	Sky ,,	
64	Turquoise ,,	
59	Ultramarine	
	REDS.	
53	Cardinal	26/9
52	Maroon	
111	,, Deep	
29	Oxidised Red	
49	Poppy ,,	41/9
114	Post Office ,,	38/6
103	Flamingo ,,	63/6
58	Imperial ,,	56/6
50	Royal Mail ,,	56/6
8	Signal ,,	45/-
125	,, ,,	56/6
109	Scarlet ,,	56/6
16	Vermilion ,,	73/6
	YELLOWS.	
45	Brimstone	31/9
84	Buff	
41	Buttercup	

No.	YELLOWS—*continued.*	
47	Canary	31/9
15	Lemon	
10	Old Gold	
117	Gold	
48	Orange	
2	Primrose	
	SUNDRIES.	
51	Apple Blossom	31/9
23	Deep Cream	
30	Drab	
97	Mauve	
21	Rose Pink	
93	Stock Brick	
44	Dark Stone	
25	Mid Stone	
13	Sandstone	
46	Straw	
119	Wood Imitation	
122	Teak ,, ,,	
	FLAT COLOURS. (For inside only.)	
38	Blue, Light	31/9
37	Brown	26/9
33	Deep Cream	31/9
40	Drab	
35	Mid-Stone	
39	Oxidised Red	26/9
32	Pearl Grey	31/9
120	Post Office Red	38/6
36	Slate	31/9
31	Rose Pink	
34	Umber Pale	26/9
107	White	31/9
	THINNER	19/6

UNDERCOATS, specially prepared for use under Velure and to prevent blistering ... ... 16/- per gal.

STONE PRESERVATIVE—prevents decay of stone, cement, brickwork, etc., if thinned down forms an excellent undercoat for paint used out of doors and protects from weather and exposure ... ... 16/- ,, ,,

DAMP PREVENTIVE—A perfect cure for damp walls ... ... 16/- ,, ,,

VELURE FLOOR PAINTS—In eight stock colours, which cover splendidly with a perfect gloss, are easily applied, dry quickly, and are hard enough to be trodden on within a few hours after application. ... ... 20/- ,, ,,

Special colours 1/4 per gal. extra.

All the above are also supplied in half-gallons at 4d. extra per gallon, quarts 8d., pints 1/4.

HOW TO SAVE

72 PER CENT. of the ordinary cost of

STRIPPING PAINT AND **VARNISH**

USE **STRIPSO** WHICH

Quickly and Thoroughly Removes Paint, Varnish, Stoved Enamel, Rust or Grease however Old or Thick, without injury to the Wood or Metal, leaving the Surface Perfectly Clean and Ready for applying New Paint or Varnish.

SUPPLIED IN

4-cwt. Casks, **74/-** cwt; Iron Drums 56 lbs. **38/6** each; 28 lbs. **20/-**; Tins 14 lbs. **11/-** each; 7 lbs. **6/3** each; 4 lbs **3/9** each; 2 lbs. **2/2** each; 1 lb. **1/9** each; sample tin, enough to strip a door or bath, **1/1** post free **1/6**.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

MORSE'S IMPROVED PATENT CALCARIUM DISTEMPER.

Fast, Washable, Non-poisonous Water Colours. One cwt. of Calcarium to be mixed with six gallons of cold water and is ready for use.

List of Tints and Prices sent on application.

PETRIFYING LIQUIDS.

White, Black and Coloured Liquids.
An efficient substitute for the more expensive Glazed Brick or Tile.
Supplied in one-gallon Lever Lid Tins with handles (free tins).
Colour Card on application.

Inside.	..	Outside.
10/9	..	**14/6** per gallon.

FRESCO.

Ready prepared, self-binding Distemper. for walls, ceilings, &c. In dry powder and has only to be mixed with water and is ready for use.

In	3½	7	14 lb. packages.
	1/4	**2/4**	**4/7** per packet.

In kegs and casks, 7 lbs. to 4 cwt.

Sheet of Tints on application.

DURESCO.

Improved Water Paint.

Washable and Durable.

One cwt. requires 1½ gallons of Petrifying Liquid to dilute it.

For porous walls more Liquid is required.

Prices of Duresco and Liquid, also Sheet of Tints, sent on application.

STUCCO PAINTS.

A Sanitary Washable, firmly adherent and durable Water Paint.

Show Card or Pattern Book, with 24 of the most useful and artistic shades may be had on application.

In 7 lb. Tins (free)	..	**43/-** per cwt.
In 1 cwt. Casks (charged)		**37/6** ,,

PURE METALLIC GALVANIZING PAINT.

Mixed ready for use. Stands exposure to the weather and resists a high degree of heat. Suitable for High Pressure Steam, Painting Cylinders, Exhaust Pipes, &c., of Petrol Motor Engines. Supplied in Lever Lid Tins and by the gallon.

Price, 28/6 per gallon.

SICCATIF BRILLIANT.

Enamel Paint drying on everything in any weather in twenty minutes. The Best Cure for Damp Walls.
With Two Coats of this Enamel applied to the Dampest or the most Dirty Places, the hardness and brilliancy of Porcelain are obtained in Two Hours.
It can be applied on anything, such as Stone, Iron, Wood, Flower-pots, Plaster, Cement, &c.

13/3 per gallon.

CARBOLINEUM AVENARIUS WOOD PRESERVATIVE & ANTISEPTIC.

(REGISTERED.)

Tin of 1 gallon	.. ..	**6/3**
,, 2 ,,	.. ..	**11/3**
,, 5 ,,	.. ..	**26/6**
,, 10 ,,	.. ..	**49/9**
Cask of about 40 gallons	.. .. .. per gallon	**4/-**

MORETON'S "E.G." SILVER PAINT. "EVER BRIGHT."

For Covering Engine Room Pipes, and all kinds of Machinery Iron and Woodwork, unaffected by Heat, Salt Water Spray, atmospheric or climatic conditions.

No. 1	2	3 size Tins.	In ½	1 gall. Tins
14/-	**26/6**	**39/6** per doz. Tins.	**17/-**	**30/6** per Tin.

"RONUK" FLOOR POLISH.

HOSPITAL "RONUK" CONCENTRATED.

4 lb. Tins at	**2/3** per lb.	.. 1 cwt. (not less)	**2/1** per lb.	
7 lb. ,,	**2/1** ,,	.. ,, ,,	**1/11** ,	
14 lb. ,,	**1/11** ,,	.. ,, ,,	**1/10** ,,	

HOSPITAL "RONUK" LIQUID.

Packed in Two-Gallon Cans only.

Two-Gallon Cans	.. ..	**11/-** per gallon
Cases containing Six Two-Gallon Cans	.. ..	**10/6** ,,

ITALIAN OIL PAPER VARNISH.

This retains the essential qualities necessary in the Best Paper Varnish, and is equally serviceable on painted and other work. It is almost colourless, dries off with brilliant lustre, and has the elasticity and durability of the Best Copal Oil Varnishes.

Price, 17/9 per gallon, cans free.

"CHEZ-LUI" BATH ENAMEL.

Specially prepared to withstand the action of Hot Water.

"B" Can, sufficient to give	Two Coats	to full size Bath	**6/-**	Tin.
"C" Can,	do.	Four Coats do.	**10/9**	,,

WHITE ENAMELINE.

This is suitable for both inside and outside work. It dries in about 12 hours, and hardens absolutely in 48 hours, works easily, has a bright enamel surface, and is very durable.

Price, 12/- per gallon, cans free.

"P. & P." DECORATIVE ENAMEL.

A slow drying, non-poisonous Enamel, specially adapted for sanitary and decorative work. It gives off no poisonous smell, and neither affects or is affected by other pigments. Dries quite hard in twenty-four hours, each coat; two or three coatings will give a beautiful china-like surface. Made in all colours.

If required, can be made to dry in three or four hours; this must, however, be distinctly stated when ordering.

Qualities ..	1st.	2nd.	3rd.
	33/3	**26/9**	**20/-** per gallon.

ELECTRIC LIQUID DRIERS.

A substitute for Patent Dryers. It is an extremely powerful Drier, and mixes readily with Paint, Oil or Varnish.

Price, 9/9 per gallon, cans free.

BRUSHES (Hamilton's)

SASH TOOLS.



No. **2201.** String Bound.

No. **2202.** Patent "Ensign." Copper Bound.



No. **2201.** Lily Bristles, String Bound.

Sizes No	0	1	2	3	4	5	6	7	8	9	10	12	14	16
	3/4	**4/4**	**5/8**	**7/-**	**8/9**	**12/6**	**16/3**	**21/3**	**27/6**	**31/3**	**42/6**	**57/6**	**82/6**	**97/6** doz.

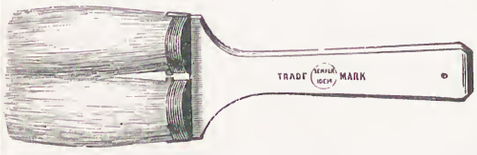
No. **2202** Copper Bound, Stiff Lily Bristles.

Nos.	20	18	16	14	12	10	8	6	4
	35/-	**22/6**	**17/6**	**10/-**	**6/3**	**4/8**	**3/9**	**2/6**	**1/3** ,,

DISTEMPERS.

No. **2205.** Copper Bound.



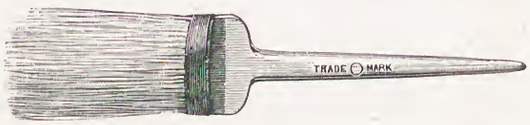


No. **2206.** Copper Tied.

Hamilton's First-Grade Ground Distemper Brushes, $6\frac{1}{4}$ in. Bristles. Either Pattern, $5\frac{3}{4}$ in. Bristles.

Sizes	12	11	10	9	8	7	6 oz.
Grey Middles	**18/9**	**17/3**	**16/-**	**14/9**	**13/6**	**10/3**	**9/-** each
Black Bristles	**18/-**	**17/-**	**15/6**	**14/6**	**13/3**	—	— ,,

ONE-KNOT COPPER WIRE BOUND GROUND BRUSH.

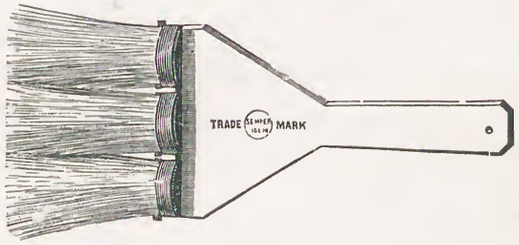


No. **2209.**

Sizes	8/o	6/o	4/o	3/o	2/o	1/o Nos.
Lily Bristles	**10/6**	**9/-**	**8/3**	**7/-**	**5/6**	**4/9** each.
Yellow ,,	**10/-**	**8/3**	**7/6**	**6/6**	**5/-**	**4/6** ,,
Grey ,,	**9/9**	**8/-**	**7/3**	**6/3**	**5/-**	**4/6** ,,
Black ,,	**9/3**	**7/6**	**7/-**	**6/-**	**4/9**	**4/3** ,,

STOCK BRUSHES.

No. **2211.** 3-Knot.



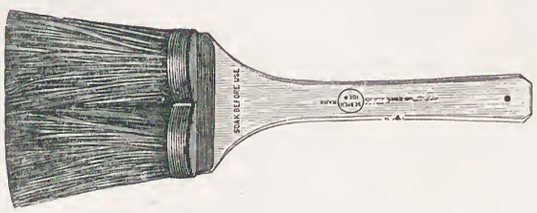
No. **2212.** 4-Knot.

Sizes	10	9	8	7	6	5	4 oz.
	$5\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{1}{4}$	$4\frac{3}{4}$	$4\frac{3}{4}$ in. Bristles
Prices	**15/3**	**13/9**	**12/6**	**11/-**	**8/-**	**6/3**	**4/9** each.

Three and Four-Knot same price.

WASHING-DOWN BRUSHES.

No. **2214.** Copper Bound.

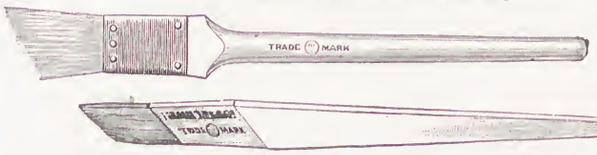


No. **2215.** Copper Wire Bound.

Grey Bristles. "Semper Idem" Brand. Either Pattern.

Sizes	8	8	7	7	6 oz.
	$5\frac{3}{4}$	$5\frac{1}{4}$	$5\frac{1}{4}$	$4\frac{3}{4}$	$4\frac{3}{4}$ in. Bristles.
Prices	**11/-**	**9/9**	**8/9**	**7/-**	**6/3** each.

SASH TOOLS.



No. **2203.** Sash-Cutting Tool in Tin.



No. **2204.** Flat Hog's Hair Lining Tool in Nickel-plated Cases.

Sizes	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 inch.
No. **2203**	—	**15/-**	**17/6**	**22/6**	—	—	— dozen.
No. **2204**	**5/-**	**7/6**	**8/9**	**11/3**	**13/9**	**15/-**	**20/-** ,,

WATKIN'S ROUND GROUND. FIRST GRADE.

No. **2207.** Round.

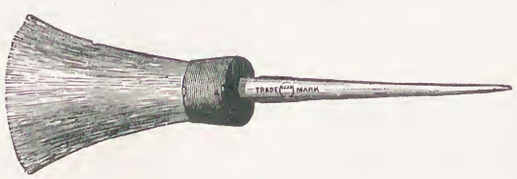




No. **2208.** Oval.

	Watkins' Oval Ground. Sizes 8/o	6/o	First Grade. 4/o	3/o	Round or Oval same price. 2/o	1/o Nos.
Lily	**10/6**	**9/-**	**8/3**	**7/-**	**5/6**	**4/9** each.
Yellow Middles	**10/-**	**8/3**	**7/6**	**6/6**	**5/-**	**4/6** ,,
Grey ,,	**9/9**	**8/-**	**7/3**	**6/3**	**5/-**	**4/6** ,,
Black Ground	**9/3**	**7/6**	**7/-**	**6/-**	**4/9**	**4/3** ,,

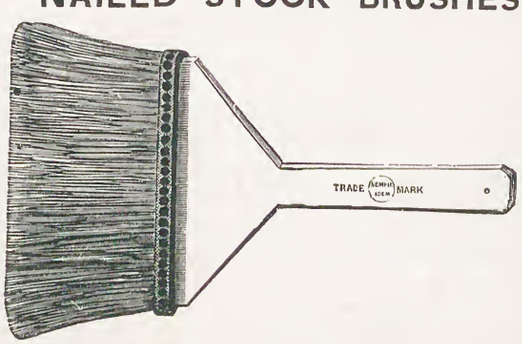
PATENT DUSTERS.



No. **2210.** Hamilton's Best Quality.

Sizes	8/o	6/o	4/o	4/ox	4/o	3/o	2/o	1/o	2	4	6	8
		7 inch										
Price	**10/6**	**9/9**	**8/9**	**8/3**	**6/9**	**6/-**	**4/9**	**4/-**	**2/6**	**2/-**	**1/3**	**1/3** ea.

NAILED STOCK BRUSHES.



No. **2213.** First Grade.

Lancashire Pattern. Thin Elm Handles. Grey or Black Bristles.

9	8	7	6 oz.
$5\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{3}{4}$	$5\frac{3}{4}$ in. Bristles.
9	$8\frac{1}{2}$	8	$7\frac{1}{2}$ in. Broad.
13/9	**12/6**	**11/-**	**9/3** each.

LIMER BRUSHES, LEATHER BOUND.



No. **2216.**

10	9	8	7	6	5	4 oz.
$5\frac{1}{4}$	$5\frac{1}{4}$	$5\frac{1}{4}$	$5\frac{1}{4}$	$4\frac{3}{4}$	$4\frac{3}{4}$	$4\frac{3}{4}$ in. Bristles
13/9	**12/6**	**11/3**	**10/-**	**6/9**	**5/9**	**4/8** each.

Grey or Black Bristles same prices.

BRUSHES (Hamilton's).

OVAL VARNISH BRUSHES.



No. 2217.

	6/o	4/o	3/o	2/o	1/o	2	4	6	8 Nos.
No. 2217. Lily Bristles, Bevelled ..	**9/6**	**8/9**	**8/-**	**5/9**	**5/-**	**3/9**	**3/6**	**2/9**	**2/6** ea.
No. 2218. Grey Bristles, not Bevelled	**6/3**	**5/9**	**5/-**	**3/6**	**3/-**	**2/6**	**2/3**	**2/-**	**1/9** ea.

FLAT OVAL BEVELLED VARNISH BRUSHES.



No. 2219. Copper Ferrules.

1	2	3	4	5	6 Nos.
2	$1\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$ in width.
$3\frac{1}{4}$	3	$2\frac{3}{4}$	$2\frac{3}{4}$	$2\frac{1}{2}$	2 in. length out.
6/-	**5/-**	**4/-**	**3/3**	**3/-**	**2/6** each.

SOCKET VARNISH TOOLS.



No. 2220. String Bound.

3	4	5	6	7	8	9	10	12 Nos.
7/6	**9/6**	**11/-**	**13/3**	**16/3**	**21/3**	**26/3**	**35/-**	**50/-** doz.

FLAT HOG HAIR BEVELLED VARNISH BRUSH.



Tin Cases. Double Rivetted Plain Handles.

No. 2221. $\frac{1}{2}$ in. thick,	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3 ins.		
	6/3	**12/6**	**20/-**	**26/3**	**37/6**	**47/6** doz.		
No. 2222. $\frac{3}{8}$ in. thick.	**5/9**	**11/3**	**17/6**	**23/9**	**30/-**	**35/-** ,,		

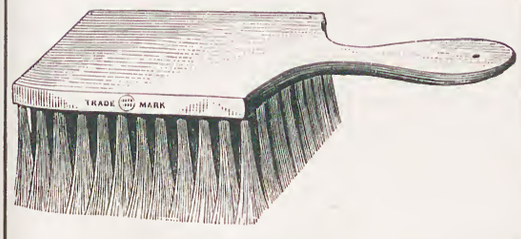
COPPER BOUND VARNISH TOOLS.



No. 2223. Chisel Edge.

4	5	6	7	8	9	10	12 Nos.
12/6	**15/-**	**18/9**	**22/6**	**26/3**	**30/-**	**37/6**	**45/-** dozen.

STIPPLING BRUSH.

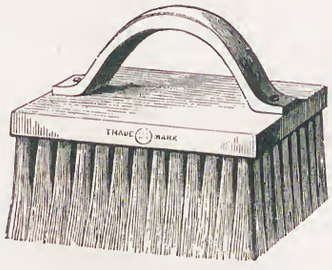


No. 2224.

Set in Knots. Handle at End

0 4×3	1 6×4	2 7×5	3 8×6	4 9×7 Nos. ins.
6/3	**10/9**	**13/6**	**17/9**	**22/6** each.

STIPPLING BRUSH.

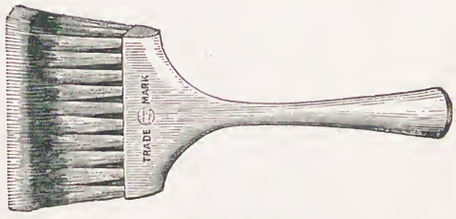


No. 2225.

Set in Knots. Handle on Back.

0 4×3	1 6×4	2 7×5	3 8×6	4 9×7 Nos. ins.
6/3	**10/9**	**13/6**	**17/9**	**22/6** each.

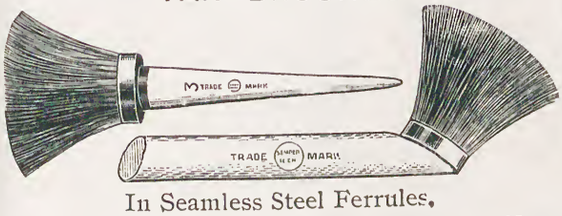
BADGER SOFTENERS.



No. 2226.

Sizes,	$2\frac{1}{2}$ 1	3 2	$3\frac{1}{2}$ 3	4 4	$4\frac{1}{2}$ 5 ins. Nos.	
Best Quality ..	**10/-**	**12/6**	**15/-**	**17/6**	**20/-**	each.
Extra Full ..	—	—	**17/6**	**20/-**	—	,,
Medium Q'lity	**8/3**	**10/9**	**12/6**	**15/-**	**17/6**	,,
Second ,,	**7/3**	**8/-**	**9/6**	**10/9**	**12/6**	,,
Hog Hair ..	**4/6**	**5/9**	**6/3**	**7/3**	**8/3**	,,

TAR BRUSHES.

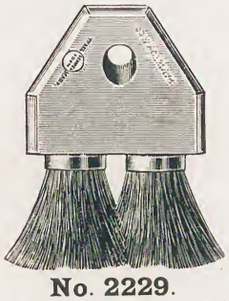


In Seamless Steel Ferrules.

	1	2	3 Nos.	
No. 2227. Short Handles	**21/3**	**26/3**	**36/3**	doz.
,, **2228.** Long Handles (4 ft. 3 ins)	**25/-**	**30/-**	**40/-**	,,

Can supply cheaper quality Mixed Bristles and Iron Bound.

TAR STOCK BRUSHES.

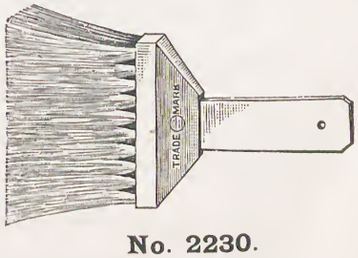


No. 2229.

One Ring. Two Ring. As drawn. Three Ring.

37/6 **45/-** **65/-** per doz.

SQUARE SET DUSTER.



No. 2230.

Size—4 in. × $1\frac{1}{4}$ in.

Price, 32/6 per dozen.

GLUE BRUSHES.





No. 2231. Copper Bound "Ensign" Wire Bridled.

10	12	14	16	18	20 Nos.
3/9	**5/-**	**6/3**	**8/9**	**11/3**	**13/9** dozen.

No. 2232. Unground in Seamless Steel Ferrule. White Bristles.

0	2	4	6	8	10	12 Nos.
$\frac{5}{8}$	$\frac{13}{16}$	1	$1\frac{3}{16}$	$1\frac{3}{8}$	$1\frac{9}{16}$	$1\frac{3}{4}$ in.
5/-	**7/-**	**8/9**	**11/3**	**15/-**	**22/6**	**37/6** doz.

Can supply or quote for the following on receipt of application:—

Enamel Brushes, Mottlers, Overgrainers, Floggers, Sable Tools, Writers and Liners.

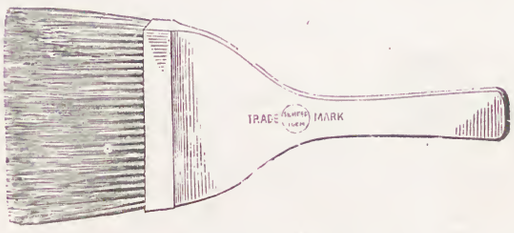
Swan, Goose, Duck and Crow Pencils in all qualities and kinds.

Dabbers and Mops. Lacquer Brushes, Gilder's Tips, &c.

For Paper-hangers' Brushes and Tools, see next page.

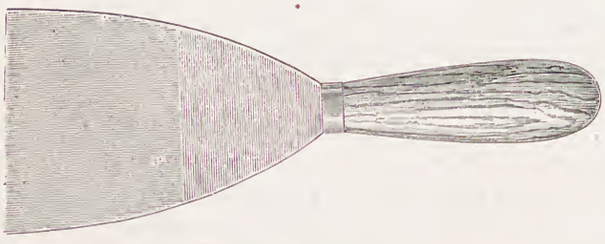
PAPERHANGERS' REQUISITES.

PAPERHANGERS' BRUSHES.



No. 2232.—Long Handled.
Set in Knots. 6½ ins. wide.
No. 2232.—Ordinary, **10/6** each.
No. **2233**.—Extra Full, **12/9** ,,

PAPERHANGERS' SCRAPER.



No. 2240.
Whittle Tang. Polished Beech Handle.
Sizes, 4½ × 2 4½ × 2½ 4½ × 3 ins.
7/6 **8/6** **9**/- per doz.

PAPERHANGERS' ROLLERS.



No. 2236.—Leather Covered.
3½ ins. long, **2**/- each.
7 ,, **2/9** ,,

No. 2237.—India-rubber Covered.
3½ ins. long, **2/9** each.
7 ,, **3/6** ,,

No. 2238.—Flannel Covered.
3½ ins. long, **2**/- each.
7 ,, **2/6** ,,

No. 2239.—Plain Wood.
3½ ins. long, **1/2** each.
7 ,, **1/4** ,,

PAPERHANGERS' BRUSHES.



No. 2234.—Short Handled.
Set in Knots.

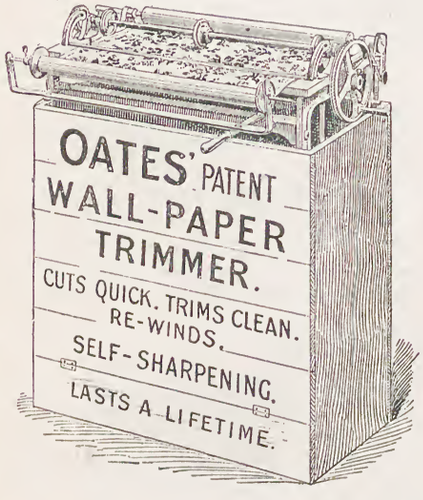
	7	8	9	10	12 in.
No. 2234. Grey Middles	**5**/-	**6**/-	**6/3**	**7/3**	**8/9** each.
No. 2235. All Grey	**4/9**	**5/6**	**6**/-	**7**/-	**8/3** ,,

PAPERHANGERS' SCISSORS.



No. 2241.

Sizes	10	11	12 in.
	2/9	**3/6**	**4/6** per pair.



No. 2242.

OATES' PATENT WALL PAPER TRIMMER.

Will trim heavy relief papers as easily as the commonest variety of wall paper.

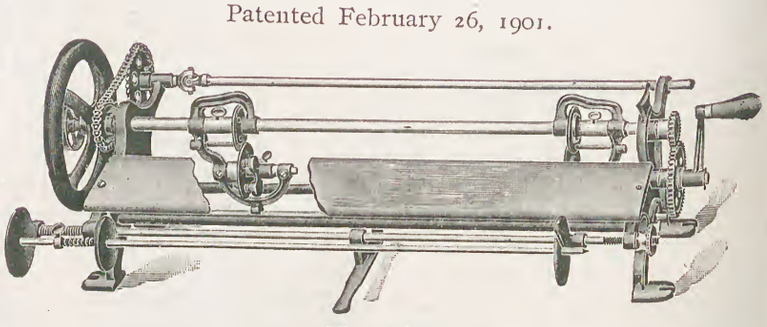
Packed in Wood Boxes, so constructed as to form stands.

No. 2242.

Price 81/9 each.

"ECLIPSE" DOUBLE EDGE WALL PAPER TRIMMERS.

Patented February 26, 1901.



No. 2243.

Trims one or both edges at the same time. With fly wheel.
Conical Bearing Brackets, with Selvage Guards to carry off the margin.
Instant adjustment of both Cutters by moving top one only.
Easy running, noiseless, rapid, simple in construction.
All cut gears.

Price, £6 5 0 each.



MULTUM IN PARVO.



PAPERHANGERS' FOLDING TABLE.

No. 2244.

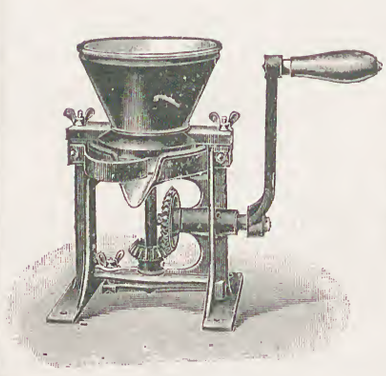
Light, Strong, Durable and Portable.

6 ft. long × 1 ft. 10 ins. wide.

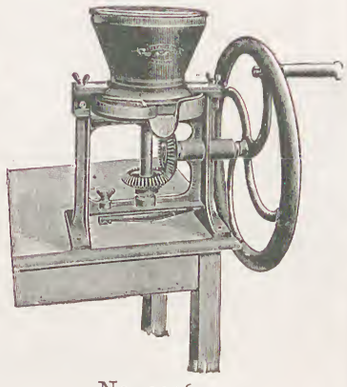
Price, 16/- each.

PAINT MILLS.

Finish.—White China Enamel inside, Red Japanned outside.



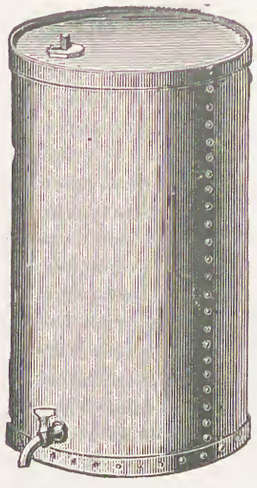
No. 2245.



No. 2246.

Sizes	1	2	3	4	5
Height of Mill	12⅜	15	17	19	23¾ in.
Height of Hopper	4¾	5⅞	6⅞	7½	9¼ in.
Diameter of Hopper	6	7 7/16	8¼	9	11½ in.
Paint Ground per hour, about	6½	11	17½	24	44 lb.
Ditto by Power Mills, about	—	—	30	44	88 lb.
No. 2245. With Handle	**16/-**	**22/-**	**28/9**	**36/-**	—
„ **2246.** With Wheel	—	**30/-**	**36/-**	**44/9**	**103/-**
„ **2247.** With Fast & Loose Pulleys only	—	—	**46/-**	**57/6**	—
each.					

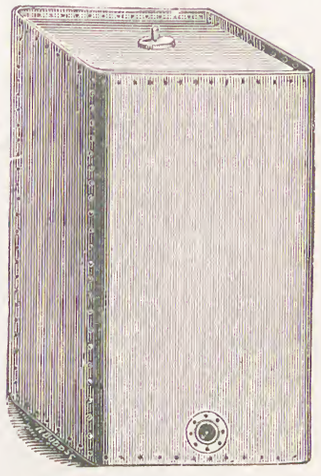
GALVANIZED OIL TANKS.



No. 2248. CIRCULAR.

With fixed Cover and Brass Screw Bung.

Gallons.	Diam. ins.	Height ins.	Price.
10	14	21	**12/3**
15	16	22	**17/-**
20	18	24	**21/**
30	19½	30	**31/-**
40	21	33	**35/6**
50	23	35	**42/6**
60	25	36	**48/-**
70	26	39	**54/-**
80	27	42	**59/6**
100	28	48	**68/6**
150	30	60	**86/-**



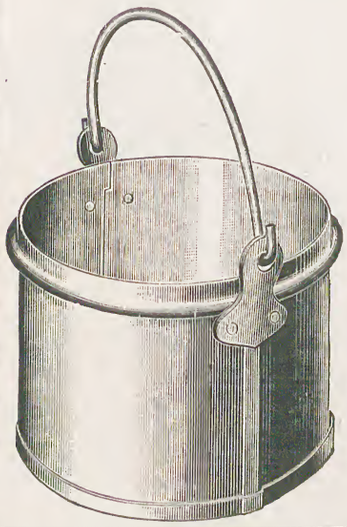
No. 2249. SQUARE.

With fixed Cover, Brass Screw Bung and Flange for Tap to screw into.

Gallons.	Square ins.	Height ins.	Price.
20	16	22	**30/-**
30	17	29	**34/6**
40	18	35	**40/-**
50	19	39	**43/6**
60	20	42	**50/6**
70	22	42	**54/-**
80	23	42	**59/6**
100	24	48	**68/-**
150	30	48	**86/-**

BIB COCKS EXTRA.

GALVANIZED PAINT KETTLES.



No. 2250.

EXCEPTIONALLY LOW PRICES.

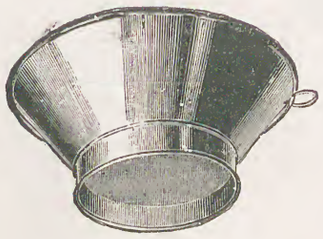
Very Strong and Well Made.

Carriage paid in 6 doz. Lots.

Prices—

Diameters	5	6	7	8 in.
Galvanized,	**5/-**	**5/6**	**6/-**	**6/9** doz.

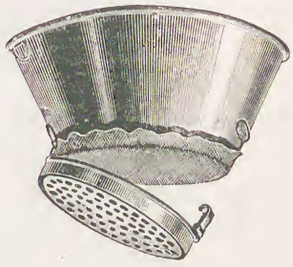
PAINT STRAINERS.



No. 2251.

Tin, with Brass Gauze Bottom.

Sizes,	6½	7½	9 in.
	1/6	**1/9**	**2/-** each.



No. 2252.

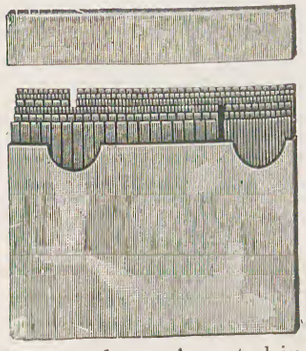
Improved.

Nos.	1	2	3	4
	10/9	**12/-**	**14/9**	**18/9**

per dozen.

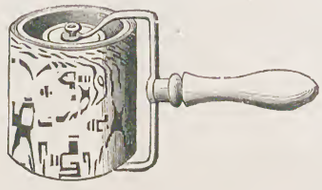
With these, you are able to strain paint through muslin without risk of tearing it. The pressure is borne by the perforated Zinc bottom and the muslin is not injured.

GRAINING COMBS.



No. 2253. 1 dozen Assorted in Case **2/9** per set.

GRAINING ROLLER.

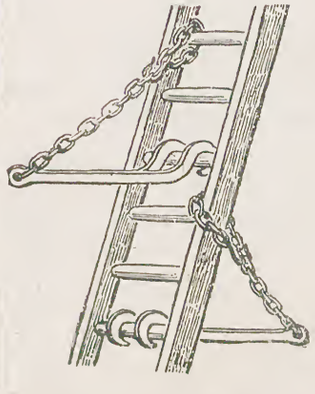


No. 2254. Oak Veins and Oak Heart.

Sizes,	3	4	5	6 in.
	21/3	**24/-**	**29/3**	**34/9** each

Other grains and sizes to order only.

Davison's Patent Ladder Brackets.



No. 4464.

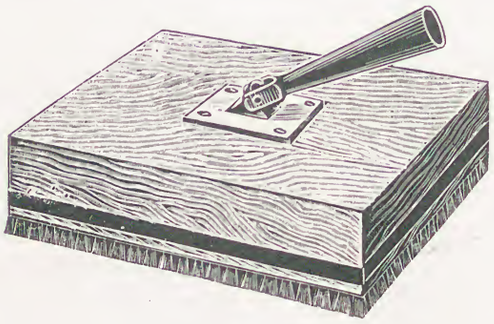
For making temporary Scaffolding.

Safe, Strong and Easily Fixed.

No Hinges.

Price, 21/- pair.

FLOOR POLISHING BRUSH.



No. 2255.

Sizes 12 ins. × 10 ins.
Heavily weighted with Lead.
Price 22/- each.
For Floor Polishes, see page **748.**

BRASS PAVEMENT ROLLER.

For Indenting Concrete.



Solid Teethed.

No. 2256.

Size of Roller.	Sizes of Squares when indented.	Approx Weight.	**Price** each.
5½ ins. long × 3½ ins. dia.	9/16 in. squares	8 lb.	**45/-**
7 ,, ×4 ,,	7/16 ,,	11 lb.	**59/6**
7 ,, ×4 ,,	9/16 ,,	11 lb.	**59/6**
7 ,, ×4 ,,	¾ ,,	11 lb.	**59/6**
7 ,, ×4 ,,	¾ ,, } Oblong	11 lb.	**59/6**
7 ,, ×4 ,,	1 ,, } Teeth	11 lb.	**59/6**
8 ,, ×4 ,,	9/16 ¾ or 1 in. squares	12 lb.	**72/-**
9 ,, ×4 ,,	9/16 ¾ or 1 ,,	13 lb.	**83/-**

BURN MARKS.



No. 2263.

Names and Initials. Best Wrought Iron, with Long Handles and Ring at end.

Sizes	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	2 ins.
Price	1/-	1/3	1/6	1/9	2/-	2/6	3/-	3/3	3/6	4/-	4/6	5/-	6/- per Letter.

STEEL LETTER AND FIGURE PUNCHES.

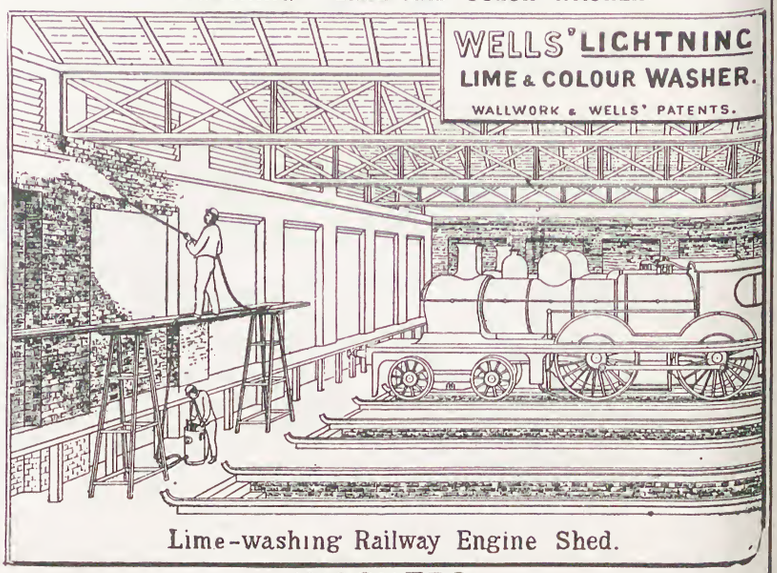


No. 2265. For Marking Iron, Steel, and Metal.

Sizes	1/16	5/32	⅛	3/16	¼	5/16	⅜	½	⅝	¾	1 in.
Per Set of 9 Figures	3/-	3/-	3/-	3/6	4/3	5/-	6/-	8/-	10/-	15/-	25/-
Per Set of 27 Letters	9/-	9/-	9/-	10/6	12/9	15/-	18/-	24/-	30/-	45/-	75/-

Odd Letters and Figures in proportion.

"LIGHTNING" LIME AND COLOR WASHER.



Lime-washing Railway Engine Shed.

WASHERS.

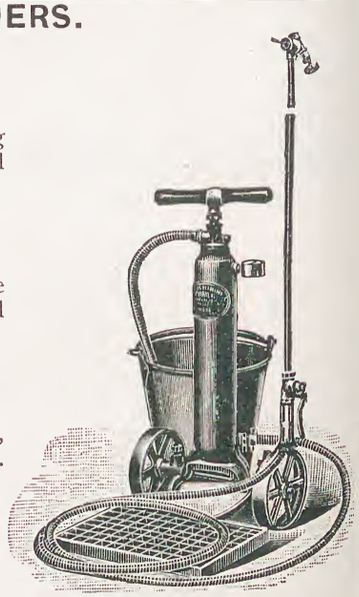
No. 2257. As drawn.
Handy Size. No Tank.
£9 16 0 each.

No. 2258.
With 5 ft. Pole, Single Spraying Nozzle and 20 ft. Special Armoured Hose.
Capacity, 6 gallons.
£11 6 0 each.

No. 2259.
With Wheels, 5ft. Pole, Single Spraying Nozzle, and 20ft. Special Armoured Hose.
Same capacity as **No. 2258.**
£12 13 0 each.

No. 2260.
Large Size Machine with 5ft. Pole, Double Spraying Nozzle, and 20ft. Special Armoured Hose.
Capacity, 10 gallons.
£14 each.

No. 2261.
Ditto, ditto, with Wheels.
£15 13 0 each.



No. 2257.

Applied at a speed of from 10 to 20 square yards per minute, in a manner superior to brush work.

One coat with the Machine on rough surfaces is equal to two applied with brushes. The Material is applied in the form of a spray, and is driven into corners and difficult places where a brush would not reach.

A GREAT SAVING IN TIME, LABOUR AND MONEY. NO OUTSIDE POWER REQUIRED.
LIME, WHITING, OR COLD WATER PAINTS.

IMPROVED LIME WASH.

No. 2262.

Much Superior to ORDINARY Lime Wash Slaked with Water.
QUICKLY MIXED. WILL NOT RUB OFF. LEAVES A GOOD SURFACE.

The material is in the form of a Powder ready for mixing with water, and is supplied in barrels containing 1 or 3 cwt.
23/6 per cwt. In 3 cwt. casks, **21/6** per cwt.

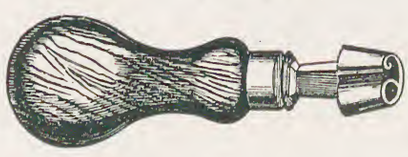
CAST STEEL NAME STAMPS.



No. **2264.** For Marking Iron, Steel, and Metal. Best Quality. Extra Strong.

Sizes	1/32	1/16	3/32	⅛	3/16	¼	5/16	⅜	7/16	½ inch.
Price	9d.	6d.	6d.	6d.	9d.	1/-	1/3	1/6	1/9	2/- per Letter.

BRASS FIGURE AND LETTER STAMPS.



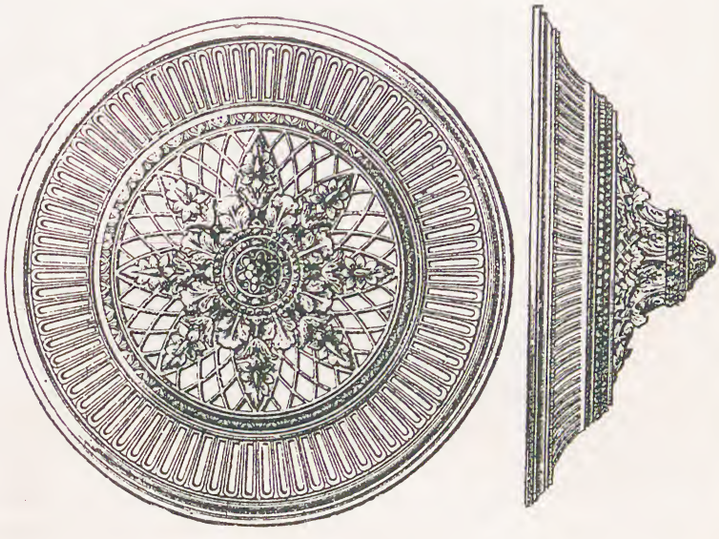
No. 2266. For Ink, with Wood Handle.

Sizes	⅛	3/16	¼	5/16	⅜	½	⅝	¾	1	1¼	1½ inch.
Price	8d.	8d.	10d.	1/-	1/2	1/6	1/9	2/-	2/3	2/6	2/9 per Letter or Figure.

CEILING CENTRES.



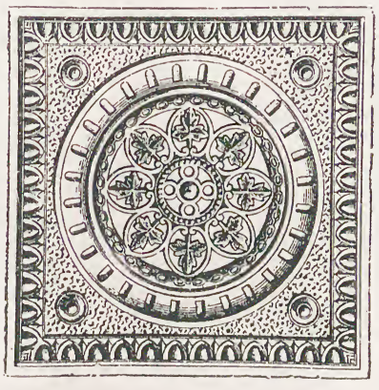
No. 2267.
Plaster Centre. 30 ins. diameter.
Price, 6/- each.



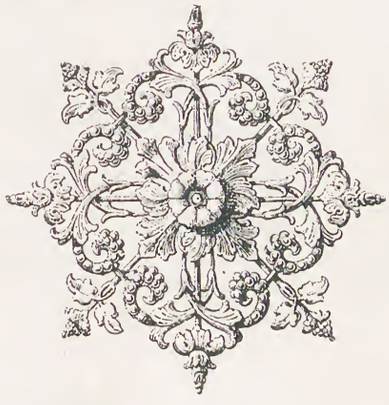
No. 2268.
Embossed Zinc Centre. Size, 28 ins. diameter.
Price, **29/6** each.



No. 2269.
Plaster Centre. 18 ins. diameter.
Price, **3/6** each.

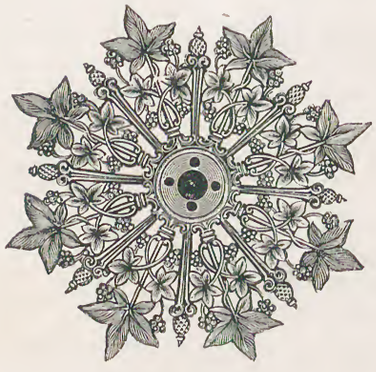


No. 2270. Embossed Zinc Centre.
Size, 19 ins. Square.
Price 16/3 each.



No. 2271. Stamped Zinc Rosette.
Size, 21 ins. across.
Price, **21/6** each.

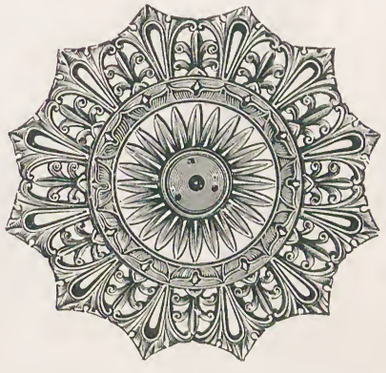
CAST IRON CEILING CENTRES.



No. 2272.
21½ ins. diameter. Painted One Coat.
Price, **4/6** each.

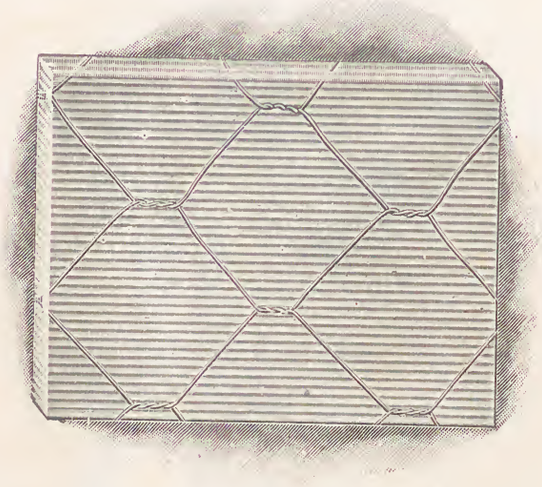


No. 2273. 22 ins. diameter.
Painted One Coat.
Price 6/6 each.



No. 2274. 21 ins. diameter.
Painted One Coat.
Price, **6/6** each.

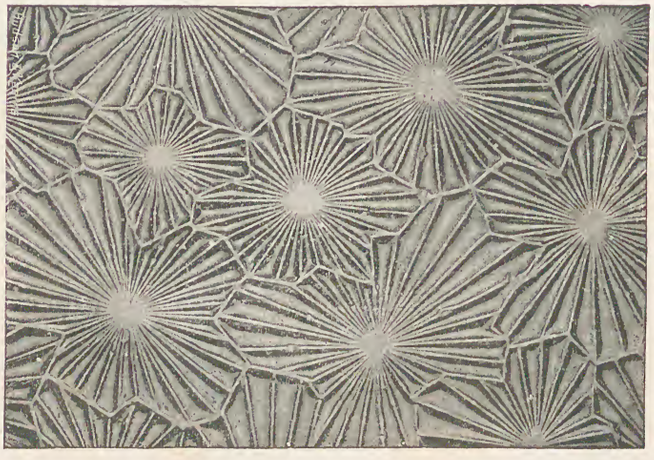
PLAIN AND FANCY GLASS.



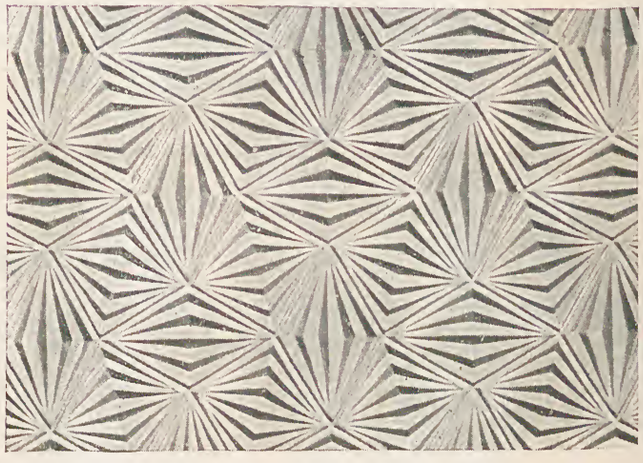
No. **2275.** "Wire Embedded."



No. **2276.** "Dabbled" Sheet.



No. **2277.** "Muranese."



No. **2278.** "Arabesque."

PRICES SUBMITTED ON APPLICATION FOR THE ABOVE AND ALSO FOR THE FOLLOWING:—

SHEET, ENGLISH AND FOREIGN. FIGURED AND PLAIN ROLLED PLATE.
MURANESE, ARABESQUE AND DABBLED. WIRE EMBEDDED ROLLED PLATE.
ENAMELLED, TINTED AND ALL CATHEDRAL GLASSES.
HORTICULTURAL GLASS IN BOXES.

GLAZIERS' DIAMONDS.



CROWN.

For Thin Sheet Glass 15 oz. to 21 oz. per foot.

No. 1. .. .. .. **20**/- each.
„ 2. .. .. .. **16/9** „

SHEET.

For Thick Sheet Glass 21 oz. to 32 oz. per foot.

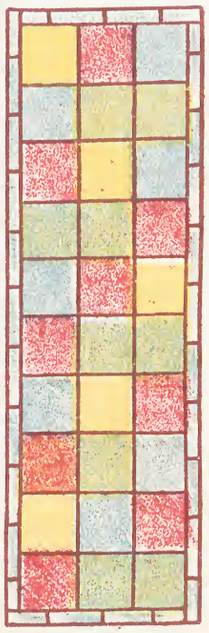
No. 1. .. .. .. **26/6** each.
„ 2. .. .. .. **23/3** „

PLATE.

For Glass ¼ in. Thick and above.

No. 1. .. .. .. **53/3** each.
„ 2. .. .. .. **40**/- „

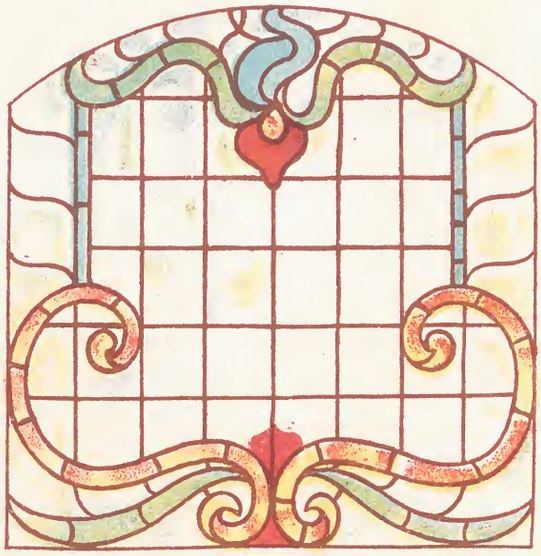
LEADED LIGHTS.
Artistic and Modern Designs.



No. 2279.
2/3 per foot super.



No. 2280.
7/- per foot super.



No. 2281. **5/4** per foot super



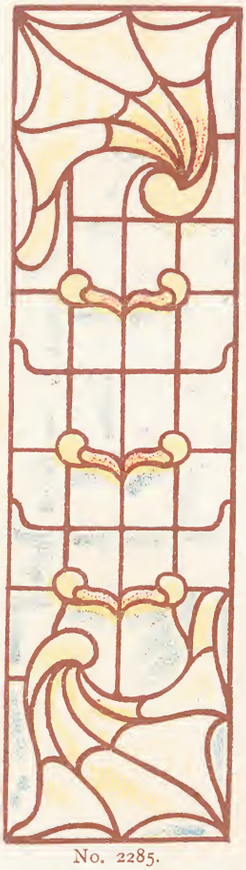
No. 2282.
5/- per foot super.



No. 2283.
3/- per foot super.



No. 2284.
9/3 per foot super.



No. 2285.
4/9 per foot super.



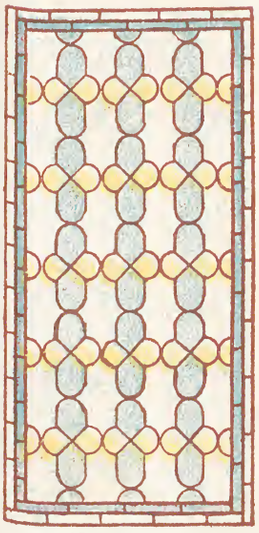
No. 2286.
11/9 per foot super.



No. 2287.
5/9 per foot super.



No. 2288.
5/3 per foot super



No. 2290.
6/3 per foot super.



No. 2289. **6/3** per foot super.

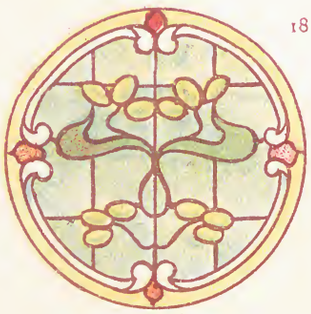


No. 2291.
6/3 per foot super.

Lights under 12 in. by 12 in. will be charged as 1 ft. super.; those less than 12 in. wide, at per foot run.

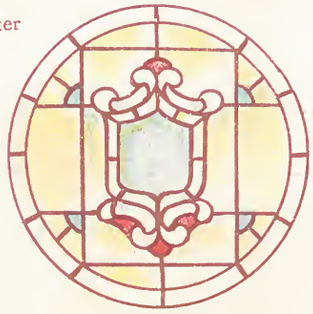
PRYKE & PALMER.

LEADED LIGHTS.



18 in. diameter or under.

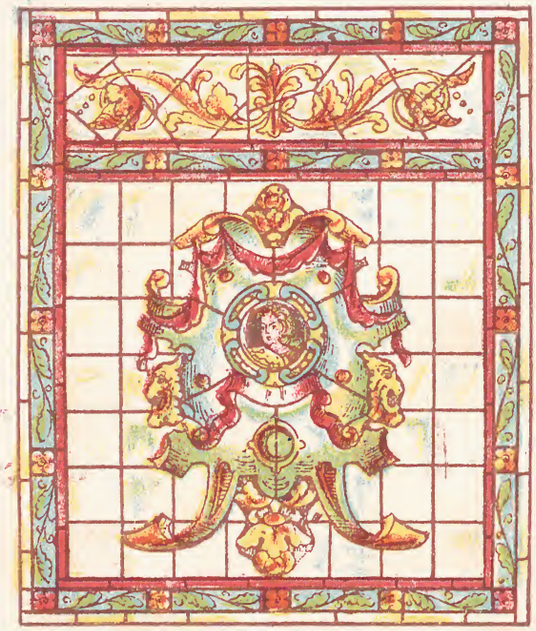
No. 2292. **12/6** each.



No. 2293. **11/9** each.



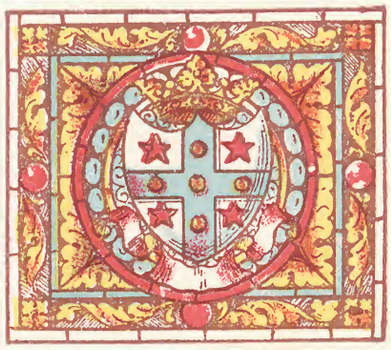
No. 2294. **7/-** per foot super.



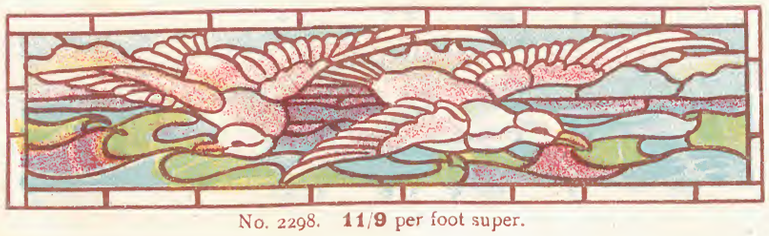
No. 2297. **9/-** per foot super.



No. 2295.
14/6 per foot super.



No. 2296. **17/-** per foot super.



No. 2298. **11/9** per foot super.



No. 2299.
11/9 per foot super.

Lights under 12 in. by 12 in. will be charged as 1 ft. super, those less than 12 in. wide, at per foot run.

Brilliant Cutting and Embossing.



No. 2300. **5/-** each.
1 ft. super and under.



No. 2301. **10/6** each.
1 ft. super. and under



No 2304. **11/6** per foot super
Letters, **1/9** each extra.



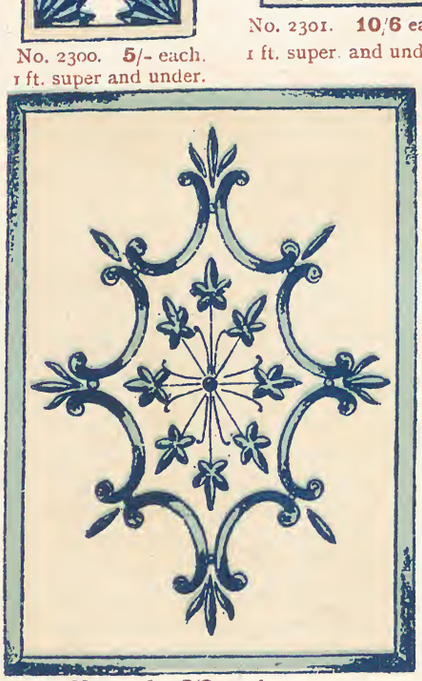
No. 2305. **10/9** per foot super.
Letters, **1/9** each extra.



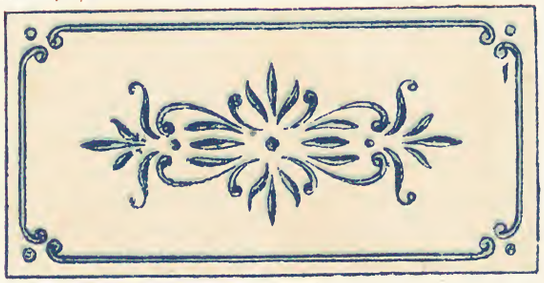
No. 2302. **12/-** each.
1 ft. super and under.



No. 2303. **4/6** each.
Under 1 ft. super.



No. 2306. **6/9** per foot super.



No. 2307. **5/3** per foot super.



No. 2308. **3/3** per foot super.

Prices are for Brilliant Cutting and Embossing only (on Plate Glass, Glass charged extra).

METALS. CURRENT PRICES ON APPLICATION.

All Enquiries should state quantity required.

SIZES AND WEIGHTS OF LEAD PIPE.

	lb.	lb.	lb.	lb.	lb.	lb.	lb.	
¼ in.	20	—	—	—	—	—	—	WEIGHT. Per 15 ft. length, in bundles of 60 ft.
⅜ ,,	20	25	—	—	—	—	—	
½ ,,	15	18	22	25	28	30	35	
⅝ ,,	16	18	—	—	—	—	—	
¾ ,,	18	22	30	35	45	—	—	
,,	22	24	28	32	36	40	45	
1 ,,	30	36	42	48	56	60	80	
1¼ ,,	30	36	42	52	60	—	—	Per 12 ft. length, in bundles about 36 ft. or any length to order.
1½ ,,	36	48	56	63	72	84	—	
1¾ ,,	72	84	96	—	—	—	—	Per 12 ft. length, or any length to order.
2 ,,	40	48	56	72	84	96	112	

LEAD BARREL.

2½ ,,	96	112	120	—	—
3 ,,	120	140	180	—	—
3½ ,,	130	160	190	—	—
4 ,,	140	200	240	—	—
4½ ,,	160	220	280	—	—
5 ,,	200	240	300	—	—
6 ,,	210	350	560	—	—

Per 10 ft. in any length under 15 ft.

SOIL PIPE.

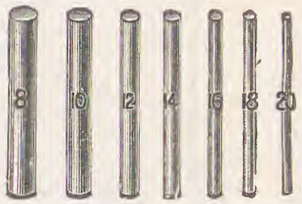
2½ 3 3½ 4 4½ 5 6 ins., in any length under 15 ft.

WEIGHTS OF SHEET LEAD.

Approximate Weights of Lead per Superficial foot.

lb. per ft. super	Size of Sheets. ft.	ft.	ins.	Approximate Weight. cwt	qrs.	lb.
2 ..	35 × 7	0	..	3	0	0
2½ ..	30 × 7	0	..	4	2	0
3 ..	30 × 7	6	..	6	0	0
3½ ..	30 × 7	6	..	7	0	0
4 ..	30 × 7	6	..	8	0	0
4½ ..	30 × 7	6	..	9	0	0
5 ..	30 × 7	6	..	10	0	0
5½ ..	30 × 7	6	..	11	0	0
6 ..	30 × 7	6	..	12	0	0
6½ ..	30 × 7	6	..	13	0	0
7 ..	30 × 7	6	..	14	0	0
8 ..	30 × 7	6	..	16	0	0

LEAD WIRE.



No.		Per lb.
8	..	**6d.**
10	..	**6d**
12	..	**7d.**
14	..	**7d.**
16	..	**8d.**
18	..	**8d.**
20	..	**9d.**
22	..	**11d.**
24	..	**1/1**

In 7 and 14 lb. bundles.

WINDOW LEAD.



For Glazing in various Sections.

LAMINATED LEAD.

For Damp Walls, &c.

BRASS SHEETS.

SHEET ZINC.

COPPER SHEETS AND BARS.

MUNTZ,—DELTA,—BABBITT'S METAL, ETC.

COMPOSITION GAS TUBE.

In Coils from 30 to 150 lbs.

⅛ in...	Various Strengths			0 in...	2 lb. per yd.
3/16 ,, ..	,,	,,		⅝ ,, ..	2½ ,,
¼ ,, ..	11 ozs. per yard			¾ ,, ..	3 ,,
5/16 ,, ..	14	,,	,,	⅞ ,, ..	3½ ,,
⅜ ,, ..	18	,,	,,	1 ,, ..	4 ,,
7/16 ,, ..	23	,,	,,	1¼ ,, ..	6¾ ,,
½ ,, ..	28	,,	,,	1½ ,, ..	9 ,,
				2 ,, ..	14 ,,

PLUMBERS' SOLDER. TINMAN'S SOLDER.

BLOW PIPE SOLDER. ROSIN CORED SOLDER

TIN

In 7, 14 and 28 lb. Ingots, and in Strips.

TIN PLATES.

COKE FINISH.

Sizes	14 × 10	17 × 12½	20 × 14	25 × 17 ins.
Sheets in Box	224	100	112	50

Strengths.
1 C
1×
××

PRICES ON APPLICATION.

CHARCOAL FINISH.

Sizes	28 × 20	17 × 12½	20 × 14	25 × 17 ins.
Sheets in Box	56	100	112	50

Strengths.
1 C
×
××
×××
××××
××××××

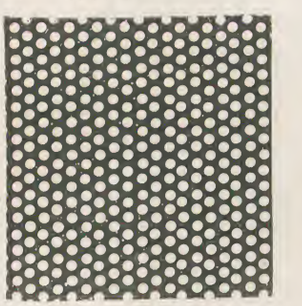
PRICES ON APPLICATION.

PERFORATED SHEET TIN

	No. 2309.	Fine.	Medium.	Coarse.	
20 × 14 ins.		**2/-**	**1/6**	**1/3**	per Sheet.

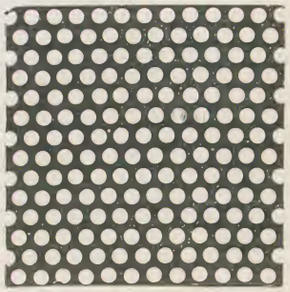
PERFORATED ZINC.

No. 2310.



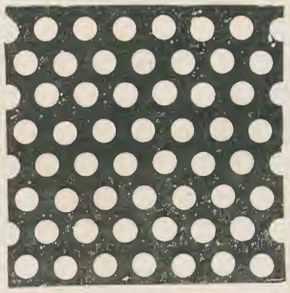
No. 8 G. Zinc.
96 × 36" sheets **5/9** sheet.

No. 2311.



No. 9 G. Zinc.
96 × 36" sheets **6/-** sheet.

No. 2312.



No. 9 G. Zinc.
96 × 36" sheets **6/-** sheet.

No. 2313.



No. 10 Guage Zinc.
96 × 36" sheets **6/9** sheet.

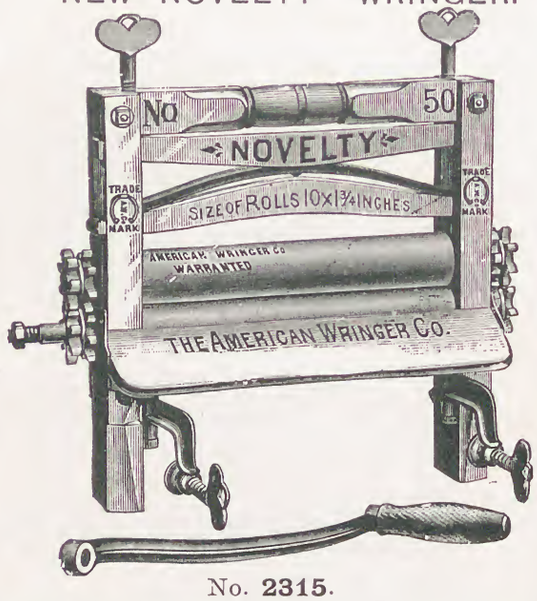
No. 2314



No. 10 Guage Zinc.
96 × 36" sheets **6/9** sheet.

WASHING, WRINGING AND MANGLING MACHINES.

"NEW NOVELTY" WRINGER.

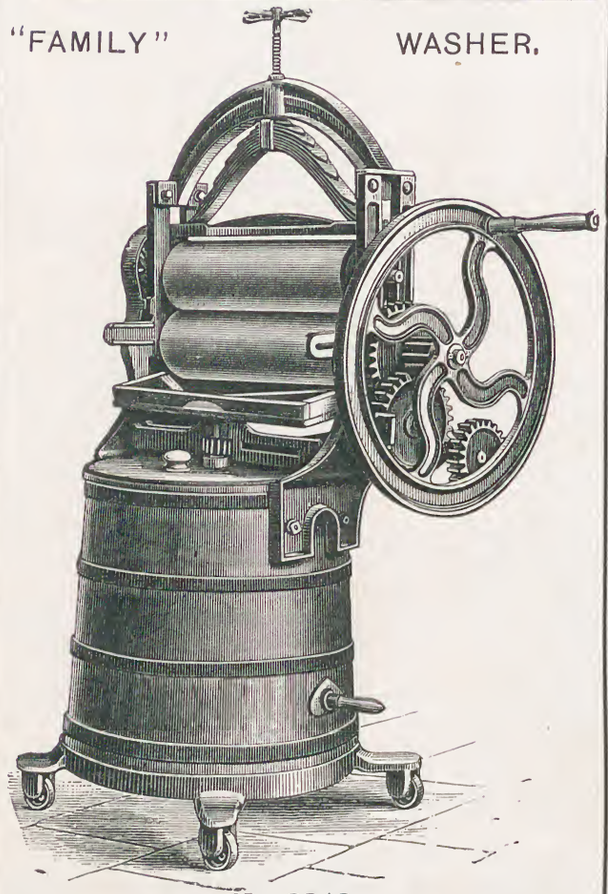


No. **2315.**

"New Novelty" Wringer, from London Stock.

Rollers.		Price.
10 in.	..	**17/9** each.
11 ,,	..	**20/-** ,,
12 ,,	..	**22/6** ,,
14 ,,	..	**32/-** ,,

"FAMILY" WASHER.



No. **2319.**

The Tub of this Machine is entirely of wood and is vertically fluted. The Dolly that works in centre of Tub has a Reversible action, worked by the Fly-wheel. The motion is changed from Washing to Wringing and Mangling by means of an eccentric. Rollers Brass Capped.

20	22	24 ins. long.
93/6	**99/-**	**111/-** each.

Brass Taps, **6**/- extra.

With Patent anti-frictional Roller Bearings, **6**/- per machine extra.

CARRIAGE FORWARD FROM YORKSHIRE WORKS.

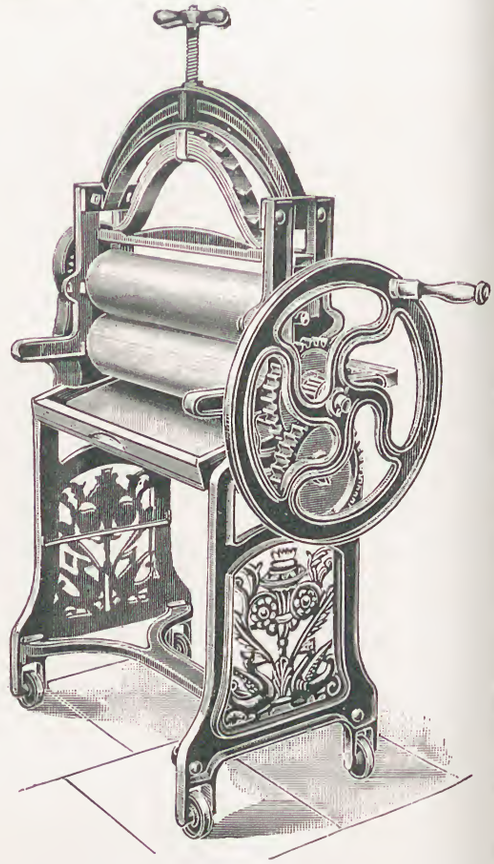
WRINGER AND MANGLE.

No. **2316.**

A cheap, handy, compact Machine.

Rollers, 5¾ in. diameter, and fitted with the Improved Mangle Board Slides.

With Anti-frictional Roller Bearings, **6**/- per Mangle extra.



Length. Rollers. ins.	No. **2316.** With Quarter Cleft Rollers.	No. **2317.** With Quarter Cleft Rollers. Brass Capped.	No. **2318.** With Lignum Vitæ Bottom Roller, Brass Capped.
18	**44/-**	**46/-**	**50/6** ea
20	**44/9**	**47/-**	**51/-** ,,
22	**45/9**	**48/-**	**53/-** ,,
24	**46/6**	**48/6**	**55/-** ,,
26	**51/3**	**53/3**	**61/-** ,,
28	**56/-**	**58/-**	**67/6** ,,
30	**60/9**	**63/-**	**74/-** ,,

CARRIAGE FORWARD FROM YORKSHIRE WORKS.

THE "FORWARD" WRINGER AND MANGLE.

No. **2320.**

Well adapted for ordinary use.

Mounted on Castors, and is easily removable.

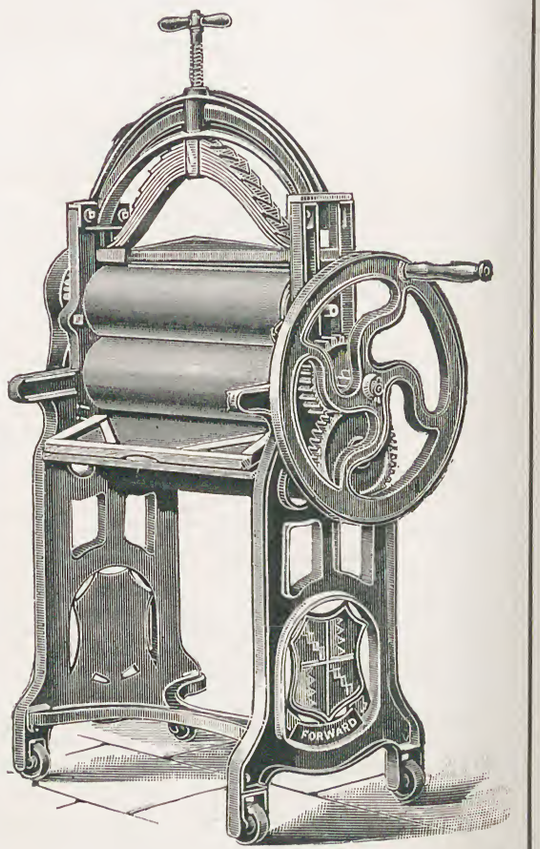
The pressure is gained by means of a Spring resting on a Patent Bar, and fitted with Improved Safety Mangle Board Slides.

(REGISTERED DESIGN).

With Improved Safety Wheel Guard, **4**/- per Machine extra.

With Patent Anti-frictional Roller Bearings, at **6**/- per Machine extra.

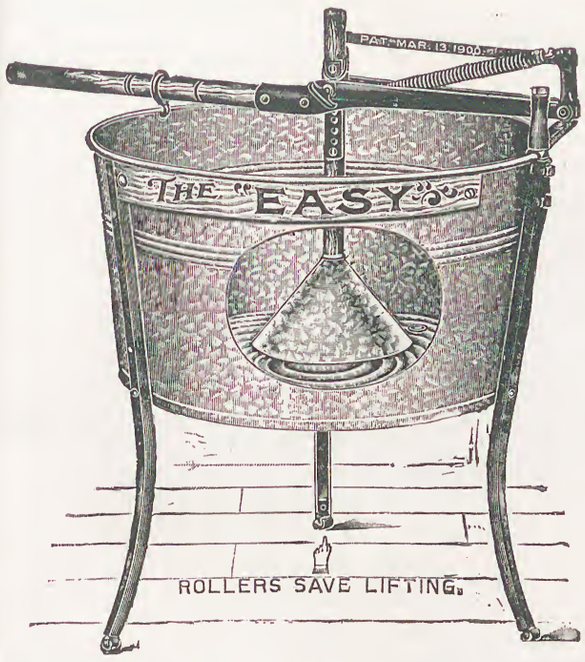
Rollers, 6 ins. diameter.



Length	18	20	22	24	26	28	30 in. Rollers.
No. **2320.**—With Quarter Cleft Rollers ..	**46/6**	**47/6**	**48/-**	**48/9**	**53/9**	**58/3**	**63/-** each.
No. **2321.**—Do. do. Brass Capped ..	**48/9**	**49/6**	**50/-**	**51/3**	**55/6**	**60/-**	**65/-** ,,
No. **2322**—With Lignum Vitæ Bottom Roller and Brass Capped ..	**55/-**	**56/-**	**58/-**	**60/-**	**67/-**	**73/-**	**80/-** ,,

CARRIAGE FORWARD FROM YORKSHIRE WORKS.

ROLLERS RE-WOODED AND NEW ROLLERS SUPPLIED TO SUIT ABOVE MANGLES.



THE SYRACUSE "EASY" WASHING MACHINE.

No. 2323. **Price** .. **40/-** each.

Steel Tub, galvanized—Will never rust—No hoops to fall off. Bottom supported by steel braces—No sag, Steel legs—On Rollers—No lifting. Water discharge in bottom—No dipping. Expansion coil Spring—Increases power—saves energy.

Is the perfected result of 34 years' experience in the manufacture of washing devices. It utilises Air Force in washing. The clothes are washed by forcing soap suds through them by compressed air. Any process that will force soap suds through a dirty garment will clean it. No friction, wear or tear. The operation is simply lifting a handle to which is attached a strong yet light metallic hood (which confines the air) and gently pressing it down. This easy action forces the suds through the clothes and cleanses them without friction, wear or tear.

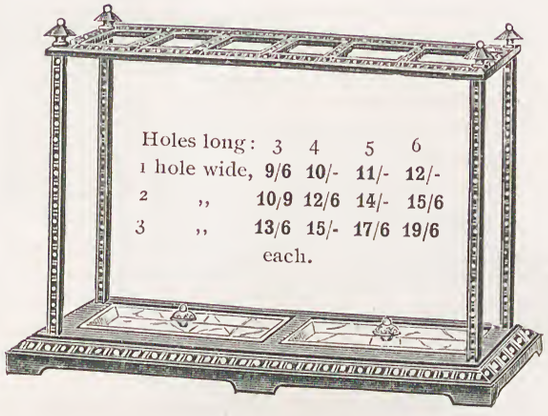
The "EASY" Washer being made of steel, galvanized, cannot rust. and, with no hoops to fall off, no staves to soak up and retain impurities or dry out and leak, or fall apart, needs no attention between washing days. It has all the elements of service and durability so noticeably lacking in wood stave tubs and wood-box washing machines. It is a well-known fact that the deleterious effects of soap and hot water upon wood and the shrinkage that follows is the cause of their early destruction. The persistent, permeating, swelling effects of water is bound to affect the joints, leaving them open when it dries out.

THE WEIGHT OF THE "EASY" IS 28 lb.

It is mounted on rollers and can easily be wheeled about the house. Water discharge in bottom makes dipping unnecessary. Expansion coil spring in lever increases washing power—saves energy. In operation it is noiseless. Any family wringer will fit it and may remain attached, ready for instant use, during the entire washing and rinsing. It has no heavy covers to unfasten or lift; no complications to cause annoyance or loss of time.

UMBRELLA STANDS.

No. 2324. Bronzed Iron Umbrella Stand.



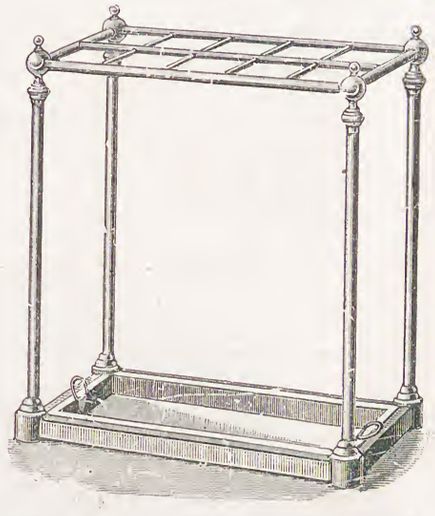
Holes long:	3	4	5	6
1 hole wide,	9/6	10/-	11/-	12/-
2 ,,	10/9	12/6	14/-	15/6
3 ,,	13/6	15/-	17/6	19/6

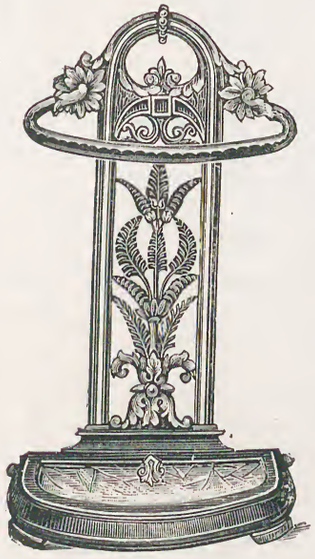
each.

No. 2325.

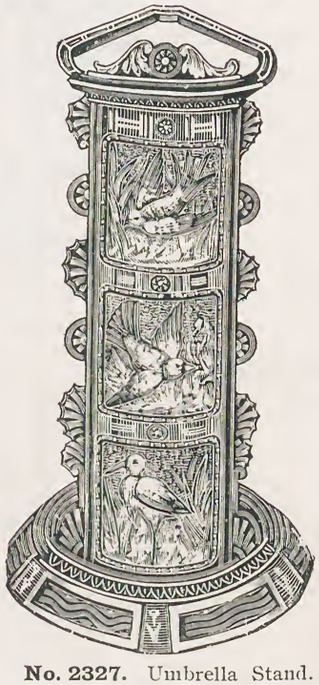
Polished Brass Umbrella Stand, with heavy Improved Cast Pans.

4 holes	..	**17/9** each.
6 ,,	..	**20/-** ,,
8 ,,	..	**21/9** ,,
10 ,,	..	**23/3** ,,
12 ,,	..	**26/6** ,,

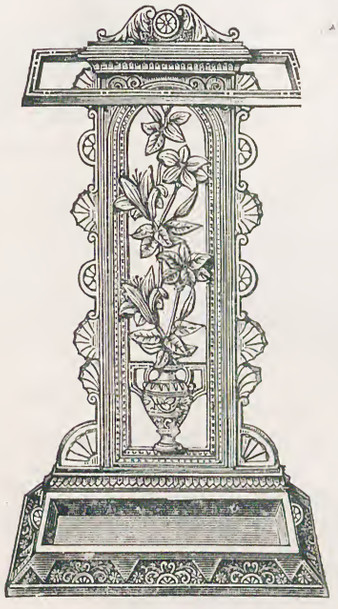




No. 2326. Umbrella Stand.
24 in. high, 15 in. wide, 8 in. from wall.
Price .. **7/-** each.



No. 2327. Umbrella Stand.
26 in. high, 14 in. wide, 13 in. from corner.
Price .. **8/6** each.

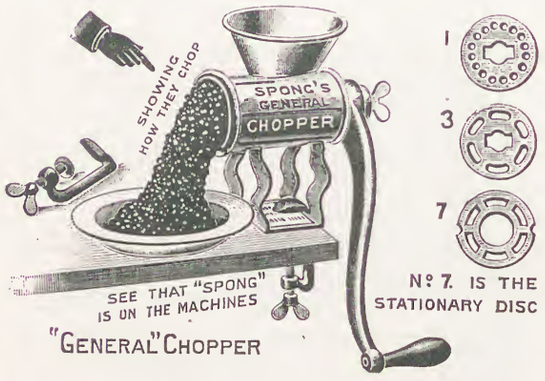


No. 2328. Umbrella Stand.
26½ in. high, 16 in. wide, 9in. from wall.
Price .. **8/6** each

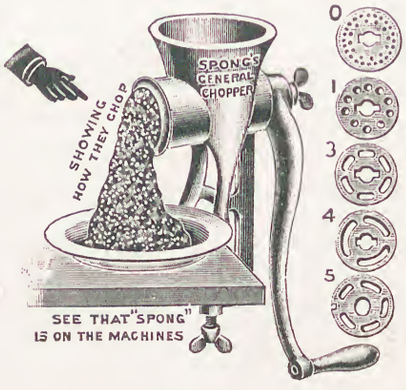


No. 2329. Umbrella Stand.
32 in. high, 16 in. wide, 9½ in. from wall.
Price .. **10/9** each.

SPONG'S FOOD CHOPPERS.



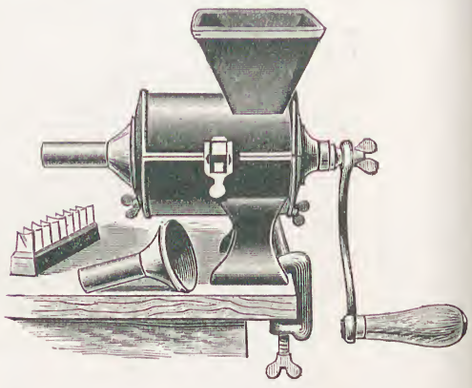
No. 2330. "General."
With Solid Steel Frame, Tinned throughout, Japanned Crimson.
It Chops fine and coarse. Chops 2 lbs. per minute.
Price, 5/3 each.
Complete with three Discs.
Extra Discs **9**d. each.
Do. extra fine, **1**/- each.



No. 2331. "General."
Complete with five Steel Discs.
Tinned throughout.

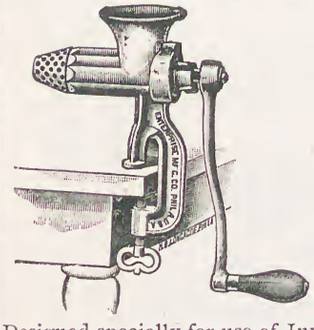
1st.	2nd.	3rd.	Size.
7/3	**8/-**	**12/-**	each.

Either will chop coarse, medium, fine or very fine.
1st and 2nd about 2 lbs. per minute.
3rd " 3 lbs. "
Sausage fillers only made for 2nd and 3rd size.
2/- each.



No. 2332. "Competition."
Sausage and General for Family use.
Central Delivery. Double Bearing.
Nickel-plated Nozzle. Tinned Iron Propellers.

Sizes,	1st	2nd	3rd	4th	5th size.
Weight,	3	4	5	7¼	13 lbs.
Price,	**7/6**	**9/6**	**13/6**	**19/6**	**38/-** each.



"ENTERPRISE" MEAT AND FOOD CHOPPER.

No. 2333. Tinned.

Sizes ..	1	2	4	6	8
Chops lbs. per minute ..	½	1	2	3	4
Weight ..	2¾	4½	5¼	8¼	12 lbs.
Price ..	**6/3**	**7/6**	**9/6**	**16/-**	**21/6** each.

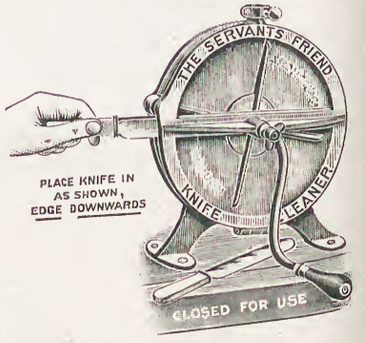
No. 2334.
"Enterprise" Meat and Food Masticator, Tinned.
Weighing 18 ozs. and chops 1 lb. in three to four minutes.

Designed specially for use of Invalids, Dyspeptics and those with poor teeth.
Price, 5/3 each.

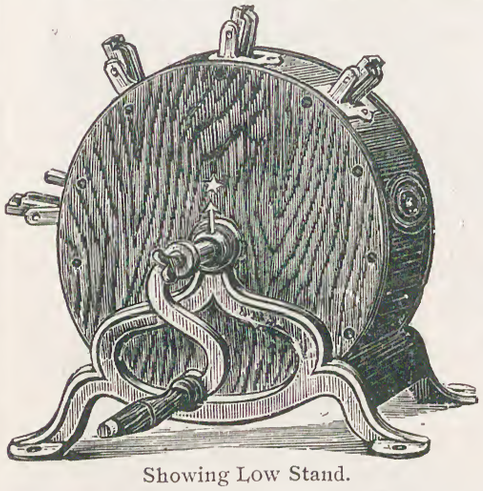
KNIFE CLEANER.

No. 2335.

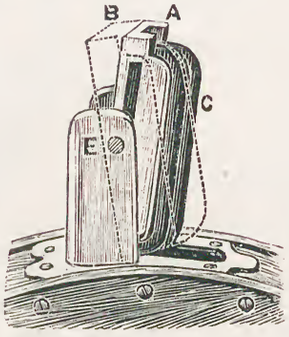
Japanned Crimson.
Weight 15 lbs. Diameter 10 inches.
16/6 complete.
Buff Leathers for renewing **6/9** per pair.
No Spindle goes through the Machine.
Easily Regulated. Can be opened in a second.
Made with thick Buff Leather Hide.



Knife Cleaners of every make **REPAIRED** at low charges.



Showing Low Stand.

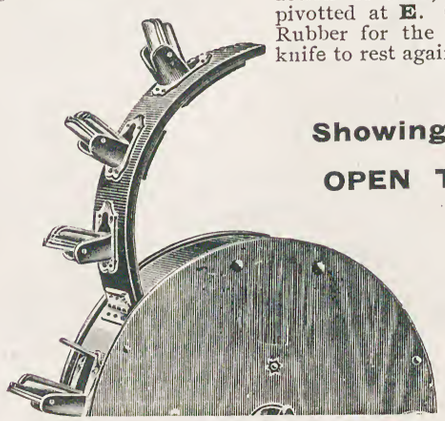


Showing the Stay or Knife Rest

A is the oscillating Rest, adapting itself to the position of the knife. The dotted lines **B** show the action of Rest, which is pivotted at **E**. **C** is solid Rubber for the handle of knife to rest against.

Patent Open Top.

This Improvement speaks for itself.
The Lid can be opened in a second.
If anything accidentally falls into the machine it can be easily recovered.
The working parts can be shown to Customers.
A small extra charge is made for the addition.



Showing the OPEN TOP.

KNIFE CLEANERS.

Fitted with Patent Self-Adjusting Stays.

WITHOUT OPEN TOP.

No. 2336. Low Stands.	Each.	**No. 2338.** High Stands.	Each.
3 Knives (including Carver)	**£2 15 0**	3 Knives (including Carver)	**£3 6 0**
4 " "	**3 9 0**	4 " "	**3 19 0**
5 " "	**5 4 0**	5 " "	**6 8 0**
6 " "	**7 13 6**	6 " "	**8 3 0**
7 " "	**9 3 0**	7 " "	**9 13 0**
8 " "	**10 17 6**	8 " "	**11 10 0**
9 " "	**12 17 6**	9 " "	**13 10 0**
10 " "	**14 17 0**	10 " "	**15 12 0**

All Leathers Rubber Backed.

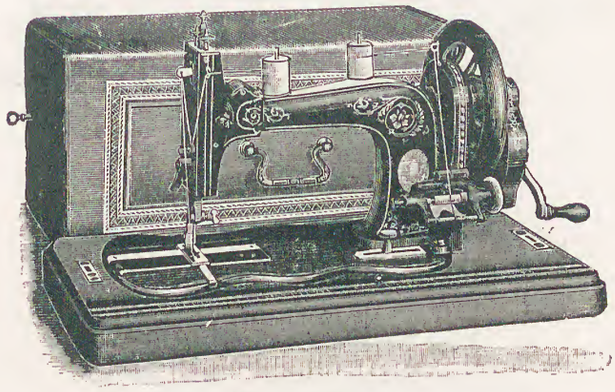
WITH OPEN TOP.

No. 2337. Low Stands.	Each.	**No. 2339.** High Stands	Each
3 Knives (including Carver)	**£2 19 9**	3 Knives (including Carver)	**£3 11 0**
4 " "	**3 15 6**	4 " "	**4 5 0**
5 " "	**5 11 6**	5 " "	**6 16 0**
6 " "	**8 2 6**	6 " "	**8 12 6**
7 " "	**9 13 9**	7 " "	**10 3 9**
8 " "	**11 10 6**	8 " "	**12 0 0**
9 " "	**13 11 6**	9 " "	**14 3 6**
10 " "	**15 11 0**	10 " "	**16 6 6**

All Leathers Rubber Backed.

CHEAPER MACHINES CAN BE SUPPLIED IF DESIRED.

SEWING MACHINES.



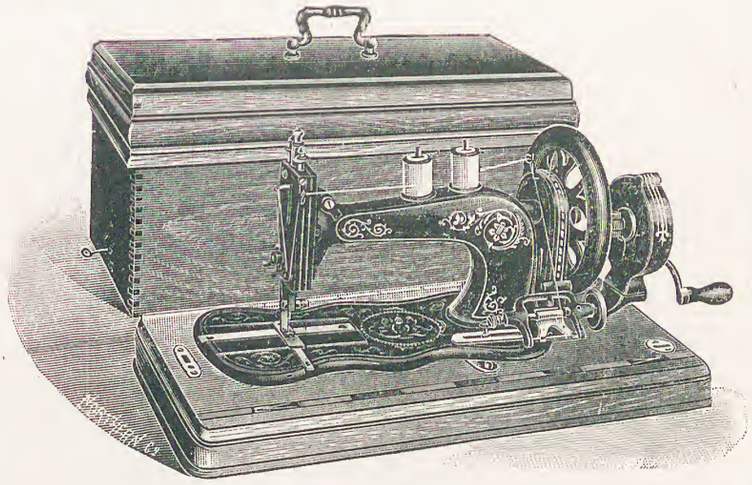
No. 2341.

"Family High Arm" Machine.

No. 2340. With Tools complete, without Cover **£2 14 0** each.

No. 2341. With Ornamental Cover and Tools complete .. .. .. **£3 6 6** ,,

If fitted on Stand, to work with Treadle, **22/9** each.



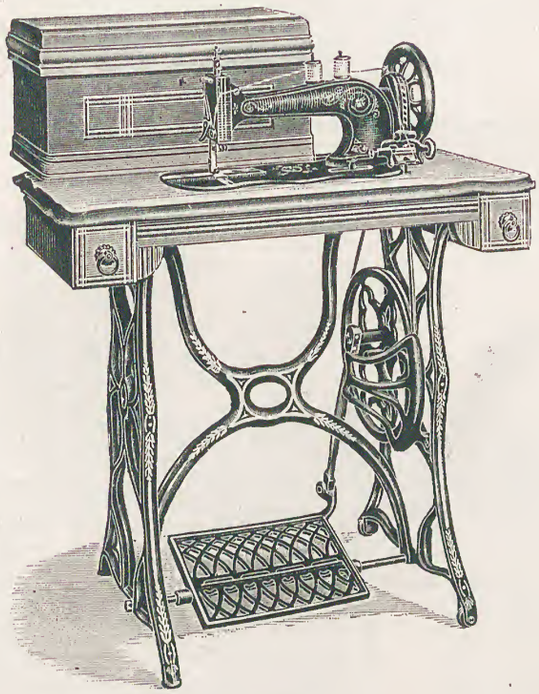
No. 2343.

"Family Hand" Machine, with Ornamental Cover.

No. 2342. With Tools complete, without Cover **£2 10 6** each.

No. 2343. With Ornamental Cover and Tools complete .. .. .. **£3 2 6** ,,

If fitted on Stand to work by Treadle, **22/9** extra.



No. 2345.

Medium Treadle Machine, with Plain Table.

No. 2344. Mounted on Walnut Table, and Enamelled Stand .. .. **£3 12 6** each.

No. 2345. Ditto, with Ornamental Cover .. **£4 6 3** ,,

No. 2346. Ditto, with Writing Desk Cover .. **£4 15 3** ,,

Extension Leaf, **5/-** extra.

This Machine is the best Domestic Machine, and will do all kinds of work required in the family; also Dressmaking.



No. 2348.

Oscillating Treadle Machine.

No. 2347. Mounted on Walnut Table and Enamelled Stand .. .. **£4 11 6** each.

No. 2348. With Ornamental Cover.. .. **£5 6 9** ,,

Admirably adapted for Tailoring, Mantles and Dressmaking. Can be worked at any speed, and is almost noiseless.

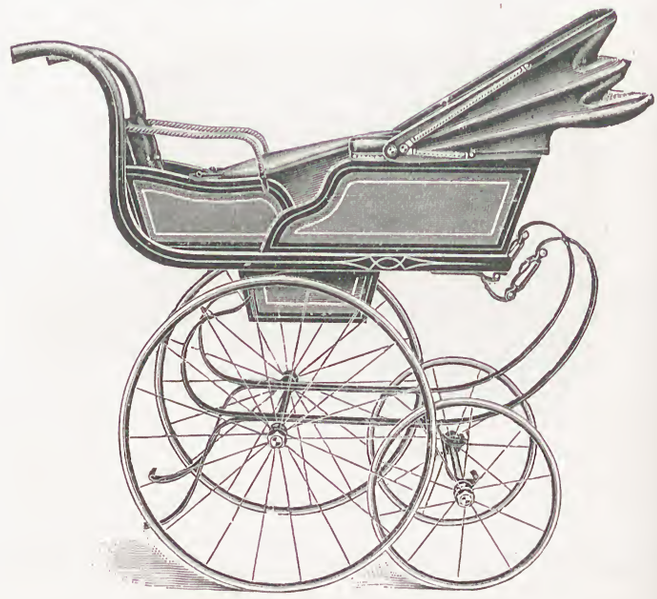
CHILDREN'S CARRIAGES.



No. 2350. THE "PARSEE."

Best Bleached Cane and Japanese Matting, Varnished and perfectly finished. Body 26 × 13 ins. inside. For child either sitting or lying. Interior neatly Upholstered and fitted with detachable Cushions. Wheels, 23 and 8 in. Finished in Navy or Electric Blue, Myrtle, Olive or Apple Green; Claret, Brown, Tan, Black or Red. **Price** .. **57/6** each

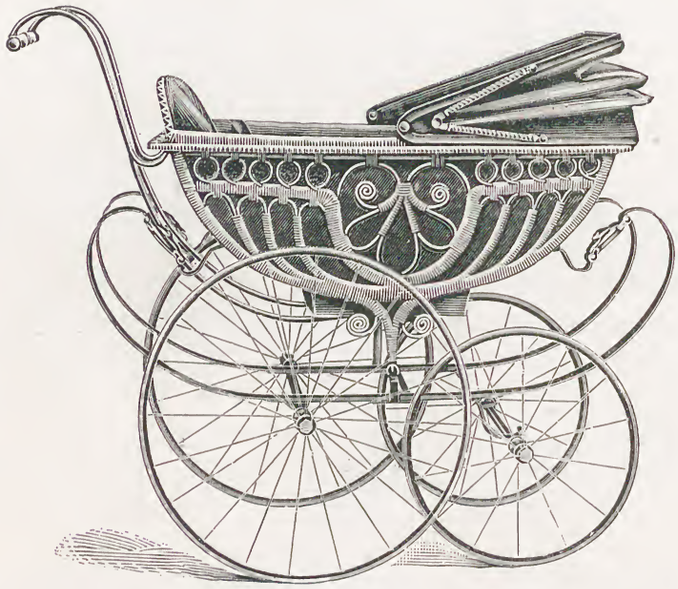
In Light Artistic Colours **7/6** each extra



No. 2351. THE "BONUS."

Built of carefully selected timber, Coach painted body, Upholstered neat and comfortable. For one child lying or two children sitting. Handles 38 ins. from the ground. Carriage complete with Waist Straps, well Cover & Brass Jointed Hood, Lined cloth. As drawn with Leather hung Springs, and Brass Rails. Wheels, 23 and 14 in, Stout Grey Tyres. **Price** .. **68/6** each.

In Light Artistic Colours **7/6** each extra.

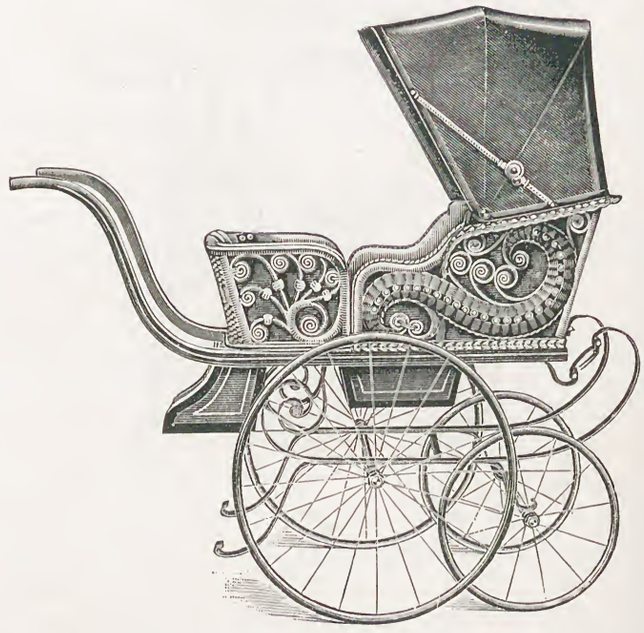


No. 2349. THE "RANEE."

Light and Handsome. Body in Cane, Varnished in natural colour. Recommended for its cleanliness and the ease with which it can be dusted. Interior comfortably padded.

Finished in ..	4th	3rd	2nd	1st Grade.
	101/9	**121/9**	**155/-**	**188/6** each.

In Light Artistic Colours **12/6** each extra.



No. 2352. THE "ANGLO-AMERICAN."

Will accommodate two children, one sitting and the other either sitting or lying. The seat nearer the shafts is reversible to face either the hood or the shafts. In the latter case the child's legs are protected from cold draughts of air by the enclosed foot-board. The Springs are leather hung. The Wheels are 25 and 16 ins. in diameter. Whether there be two children or only one in the cart, the entire weight is borne by the wheels.

In Dark Art Colours. **Price** .. **114/-** each.

In Light Artistic Colours **12/6** each extra.

CHILDREN'S AND INVALID CARRIAGES.



No. 2355.

"The Enchantress."

Exquisite Reed and Rattan Work in English Styles of Children's Carriages.

Painted and Upholstered in Dark Artistic Colours, Mounted on Registered Strapless Steel Cee Spring, and 25 in. Wheels, with $\frac{9}{16}$ in. Red Rubber Tyres.

Price .. .. **144/6** each.

No. 2356.

Exactly as illustrated, with Leather-hung Cee Springs, Detachable Cushions, &c.

Price .. .. **164/6** each.

In Light Artistic Colours, **12/6** each extra.



FOLDING GO-CART.

No. 2357.

Folds compactly within 12 inches. Excellent for exportation, for travelling, for small dwellings, and slender purses. Very comfortable to sit in Back of seat can be either padded or caned at the same price The seat covered with comfortable cushion and fitted with waist strap.

No. 2357. Price, without Hood or Apron .. **23/9**
No. 2358. Larger size, for child of four to six years **25/6**

EXTRAS.

Enclosed Footboard, **2/-**
Ironwork and Wheels painted Light Fancy Colours. **1/-**
The Cart painted throughout, Dark Colours, **3/-** Light Colours, **5/-**
Brass-jointed Hood, Dark Colours, **12/6** Light Colours, Merino-lined. **15/-**
Apron, Dark, **3/-** Light, **4/-**

INVALID CARRIAGES.



No. 2359. Merlin Chairs.

As illustrated, in Austrian bent-wood, very light and strong, mounted upon 25 in. wheels with $\frac{5}{8}$ in. best rubber tyres, fitted with hand-rims for the invalid to propel himself, and a 7 in. pivotted wheel. The footboard slides back if required for convenience in leaving the chair.

Price 140/- each.

No. 2360. Small Merlin Chair, with Table for Child, **114/-**

No. 2361. Child's Spinal Carriage.

Wicker body 4 ft. 6 ins. long, with mattress, hood and apron, upon steel springs and stout rubber-tyred wheels. **121/-** Best white rubber tyres wired on, **12/-** extra. Best steel strap cee springs, **24/-** extra.

No. 2362.

Cane Spinal Carriage, with body handsomely finished in natural white glassy cane, very clean, light and pretty. Best steel strap cee springs, best stout white rubbers wired on. **Price 189/-** each.

No. 2363. Bath Chair.

Nicely varnished body, strongly iron-framed, comfortably upholstered, fitted with apron, handsome leather-hung cee springs and 25 in. wheels with best white india-rubber tyres wired on, **240/-** each.

No. 2364.

Similar carriage, with coach-painted wooden body, **320/-** Jointed hood and apron, **70/-** extra.

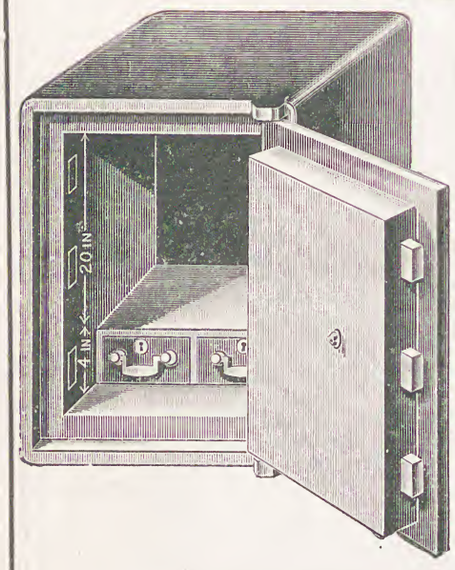
No. 2365.

Extra large wicker carriage with best wheels, 28 ins. diameter, and best steel strap cee springs, apron and draw handle, **£15**.

Fitted with shafts for a pony, **30/-** extra.

Complete Season's List of Prams, Mail Carts, &c, sent on application.

STEEL FIRE-RESISTING SAFES.

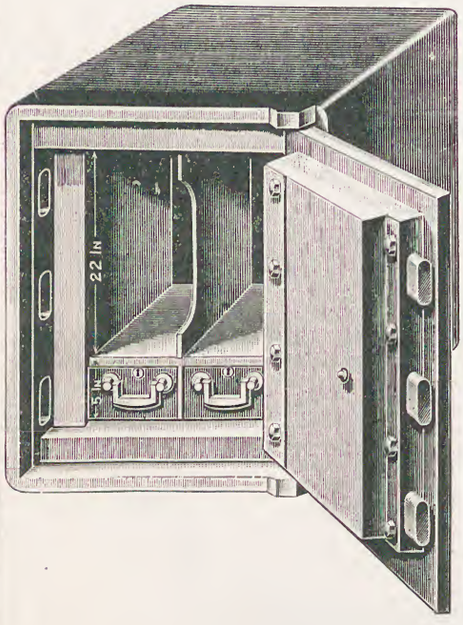


"FAST BIND! FAST FIND!"

FOR SLIGHT RISKS ONLY.

Outside Measures. Ins. Ins. Ins. High Wide Deep	Inside Measures, Above Drawers. Ins. Ins. Ins. High Wide Deep	Approx. Weight. Cwt. qrs. lb.	Fittings.	No. 2366. Price With Drawers. £ s. d.	No. 2367. Price Without Drawers. £ s. d.
20×15×14	10½×9×8	1 1 14	One Drawer	6 0 0	5 14 9 each
22×16×15	12½×11×9	1 2 21		6 6 6	6 1 3 „
24×18×16	14×12×10	2 0 0		6 13 6	6 7 3 „
26×20×18	16×14×12	2 1 14	Two Drawers.	7 13 3	7 0 0 „
28×21×19	18×15×13	2 3 14		8 13 3	8 0 0 „
30×22×20	20×16×14	3 0 21		9 16 9	9 0 0 „
33×24×21	22½×18×15	4 0 7		11 6 9	10 13 6 „
36×26×22	25½×20×16	4 2 14		13 6 9	12 12 0 „

Body made of Steel Plates with solid jointless bent corners; fire-resisting chambers 2½ in.; door-plate ⅜ in.; fitted with moveable bolts at front, fixed bolts at back, controlled by 6-lever lock (2 keys) and protected by hardened steel plate.

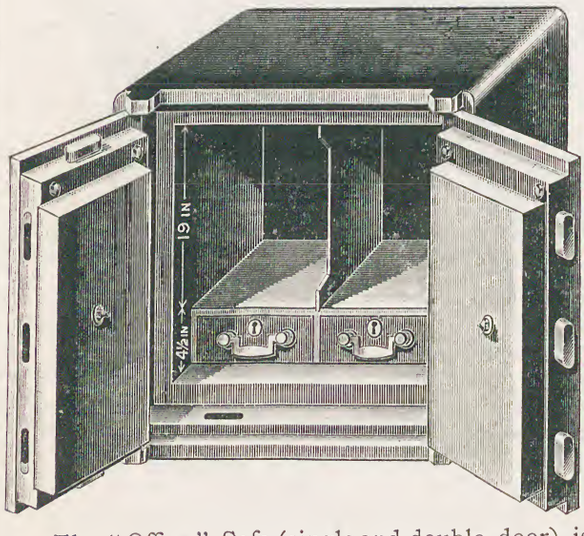


BENT STEEL FIRE-RESISTING.

THE "OFFICE."

Outside measure ..	24×18×18	26×20×20	28×22×22	30×24×22	33×24×24 ins.
Inside measure	18×12×11	20×14×13	22×16×15	23½×17½×15	27×17½×17 „
Approx. weight, cwts.	2 1 0	2 3 17	3 1 14	3 3 7	4 2 0
No. 2368. Price, as drawn	**£9 6 9**	**£10 16 9**	**£11 14 9**	**£12 16 9**	**£14 10 9** ea.
No. 2369. Price, without Drawers & Partitions	**£8 17 9**	**£9 18 9**	**£10 16 9**	**£11 19 0**	**£13 12 9** „

Outside measure ..	36×24×24	42×26×24	48×28×26	54×30×26	60×30×26 ins.
Inside measure	29½×17½×17	34½×19×16	40½×21×18	46×23×18	52×23×18 „
Approx. weight, cwts.	4 3 14	6 3 0	8 3 0	10 2 0	12 0 0
No. 2368. Price, as drawn	**£15 19 3**	**£22 0 0**	**£26 13 0**	**£31 6 0**	**£37 6 9** ea.
No. 2369. Price, without Drawers & Partitions	**£14 11 6**	**£21 0 0**	**£25 13 0**	**£30 0 0**	**£36 0 0** „



THE "OFFICE" DOUBLE DOOR.

Outside Measure	30×30×22	33×33×22	36×36×24	42×36×26	48×38×26 ins.
Inside measure	23½×23×14	26½×26×14	29×29×16	34½×29×18	41×31×18 „
Approx. weight, cwts. ..	6 0 0	6 3 0	7 3 0	10 0 0	11 3 0
No. 2370. Price, as drawn	**£22 13 0**	**£24 13 0**	**£26 13 0**	**£32 13 0**	**£38 13 0** ea.
No. 2371. Price, without Drawers & Partitions	**£21 13 0**	**£23 13 0**	**£25 6 6**	**£31 6 9**	**£37 6 9** „

Outside measure	54×42×26	60×42×26	66×44×26	72×48×26 ins.
Inside measure	46×34×18	52×34×18	58×36×18	64×40×18 „
Approx. Weight, cwts. ..	13 2 0	15 0 0	17 2 0	20 0 0
No. 2370. Price, as drawn	**£44 13 0**	**£53 6 9**	**£63 6 9**	**£74 13 0** ea.
No. 2371. Price, without Drawers & Partitions	**£43 0 0**	**£51 6 9**	**£61 6 9**	**£71 6 9** „

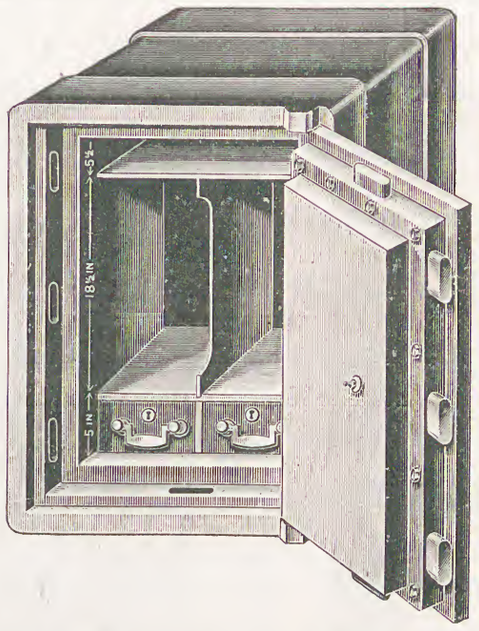
The "Office" Safe (single and double door) is constructed of best mild Steel Plates, with solid jointless corners, and is fitted with 3-inch fire-resisting chambers. The door-plate is $\frac{1}{16}$ inch thick, and secured by moveable bolts at front (fixed bolts at back), shooting through an angle iron lockcase into a sunk rebate bar, thus giving much greater security than is usually obtained with Fire-resisting Safes. The bolt-work is controlled by a 6-lever lock (2 keys), protected by hardened drill-proof Steel Plates.

RATHER BE WITHOUT A SAFE THAN BUY A BAD ONE.

BENT STEEL FIRE AND THIEF-RESISTING SAFES.

"Fast Bind! Fast Find!"

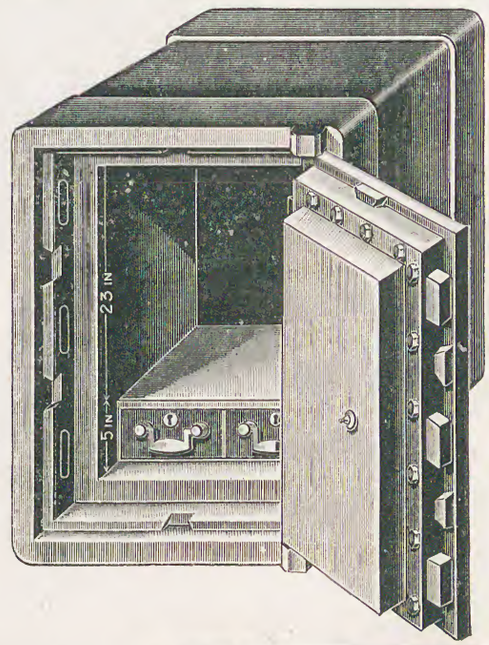
THE "CITY" QUALITY.



This Safe is constructed of best mild Steel Plates, with solid jointless corners, further strengthened with outside Bands at back and front, and is fitted with 3-in. Fire-resisting Chambers. The Door Plate is ⅝ in. thick, and is secured by moveable Bolts at back, front, top and bottom, shooting through an Angle Iron Lockcase into the sunk Rebate Bars of frame work. The Lockcase is fastened to door by Pins and Nuts, and is fitted with an inner chamber containing the Fire-resisting Composition. The Bolt work is controlled by an 8-lever solid Block Lock (2 Keys) protected by hardened Drill-proof Steel Plate.

Outside measure	25×19×18	27×21×20	29×23×22	31×25×22	37×27×24	43×29×26	49×31×26 in
Inside measure	17×11×9	19×13×11	21×15×13	23×17×13	29×19×15	35×21×17	41×23×17 ,,
Approx. weight	4 0 0	5 0 0	5 3 0	6 2 0	8 0 0	10 1 0	12 0 0 cwt.
No. **2372.** **Price** as drawn	**£18 13 0**	**£20 13 0**	**£22 13 0**	**£25 6 9**	**£29 6 9**	**£36 6 9**	**£42 0 0** ea.
No. **2373.** **Price** without Drawers and Partition.	**£18 2 6**	**£19 17 6**	**£21 17 6**	**£24 10 0**	**£28 6 9**	**£35 6 9**	**£41 0 0** ,,

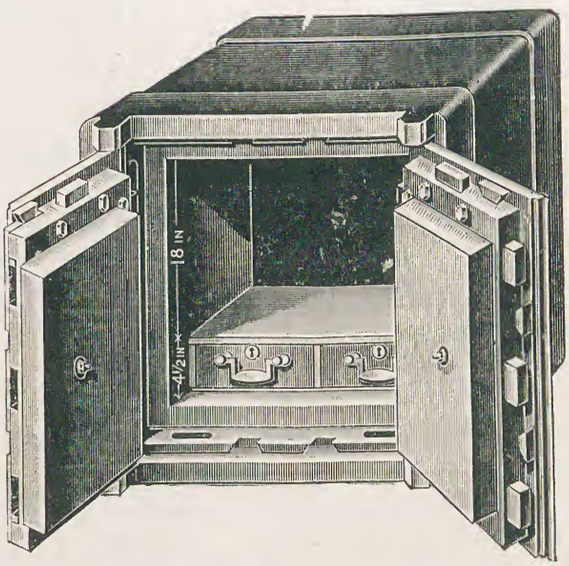
BENT STEEL FIRE AND THIEF-RESISTING SAFES.



This Safe is constructed of best mild Steel Plates, the Body Plate being ¼ in. thick up to and including the 43½ in. size, above that size ⅜ in., with solid jointless corners, and is further strengthened with heavy outside Bands at back and front, and is fitted with 3 in. Fire-resisting Chambers. The Door Plate is ⅝ in. thick and is secured by massive Bolts shooting at back and front through an Angle Iron Lockcase into the Solid Bars of frame work. The Lockcase is secured to door by ⅝ in. Pins and Nuts, and is fitted with an inner Chamber containing the Fire-resisting Composition. The Door Plate is further fitted with dovetail Wedge Blocks at front and at top and bottom, and the Bolt work is controlled by our Patent 9-Slide Unpickable Lock (2 Keys), protected by hardened Drill-proof Steel Plate.

Outside Measure	25½×19½×18½	27½×21½×20½	29½×23½×22½	31½×25½×24½	33¼×27½×26½	37½×27½×26½ ins.	
Inside Measure	16½×10½×9	18½×12½×11	20½×14½×13	22½×16×15	24½×18½×17	28×18½×17 ,,	
Approx. Weight	5 1 0	6 2 0	7 1 14	8 1 11	9 2 0	12 0 0 cwt.	
No. **2374.** **Price** as drawn.	**£26 9 0**	**£29 0 0**	**£31 6 0**	**£33 13 0**	**£37 6 0**	**£43 15 0** ea.	
No. **2375.** **Price** without Drawers and Partitions	**£25 0 0**	**£27 13 0**	**£30 0 0**	**£32 6 0**	**£35 13 0**	**£42 0 0** ,,	

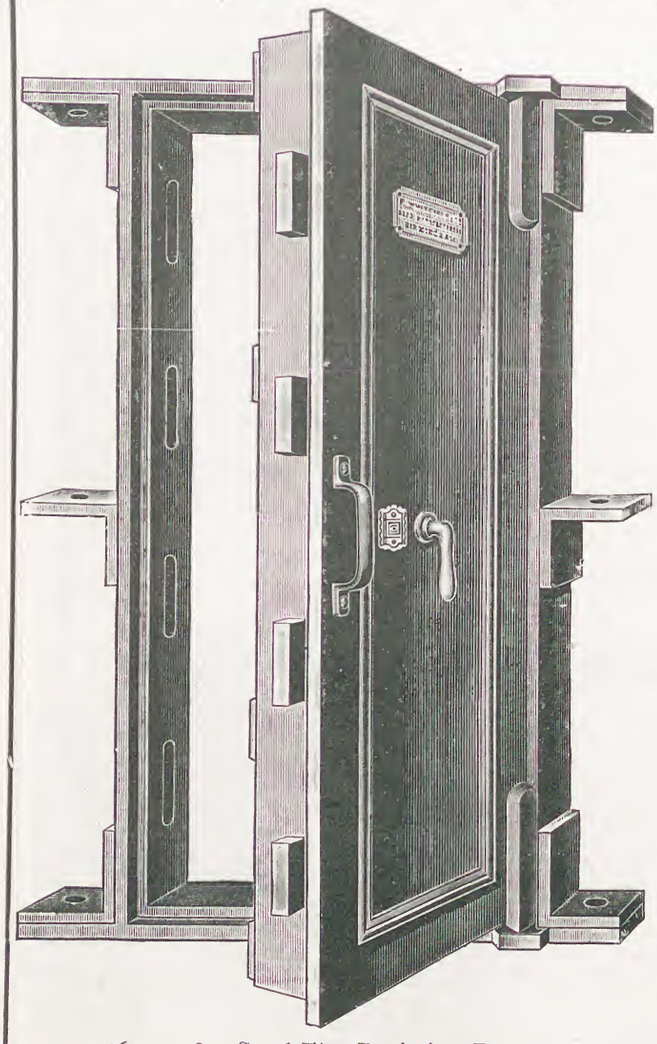
DOUBLE DOOR.



Outside Measure	31½×31½×24½	34½×34½×26½	37½×37½×26½	43½×37½×26½	49½×39½×27½	55½×41½×27½ ins.
Inside Measure	2 2½×22×15	25×25×17	28×28×17	33½×28×17	39×30×18	45×32×18 ,,
Approx. Weight.	11 2 0	13 0 0	14 0 0	16 0 0	21 0 0	23 2 0 cwt.
No. **2376.** **Price** as drawn.	**£48 0 0**	**£52 5 0**	**£56 0 0**	**£62 10 0**	**£80 0 0**	**£88 0 0** ea.
No. **2377.** **Price** without Drawers and Partitions	**£46 10 0**	**£50 10 0**	**£54 7 6**	**£60 10 0**	**£78 0 0**	**£86 0 0** ,,

TANN'S, RATNER'S, CHUBB'S, HOBBS', OR ANY OTHER SPECIAL MAKE SAFES, QUOTED FOR ON RECEIPT OF SPECIFICATION AND ENQUIRY.

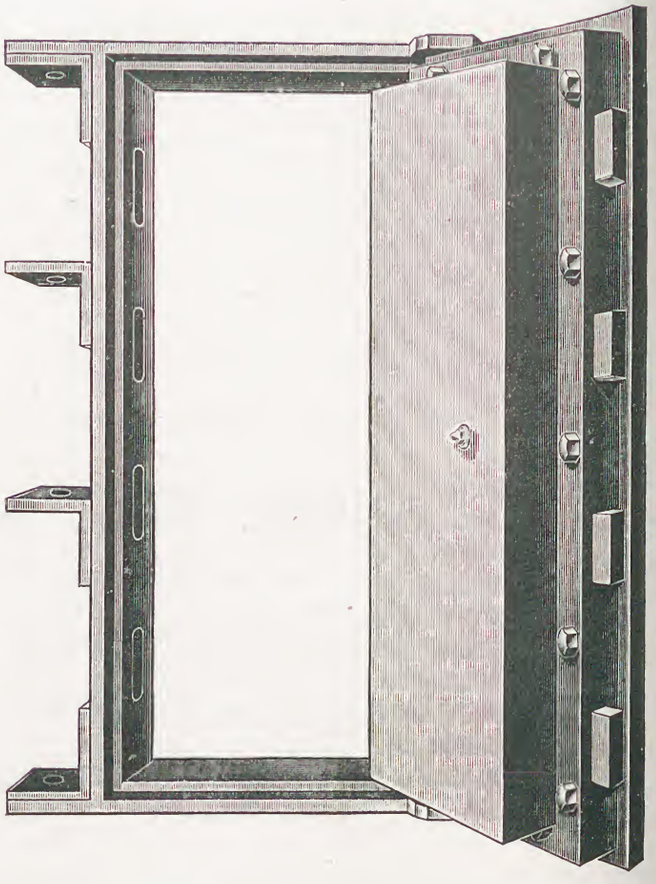
STRONG ROOM DOORS. "FAST BIND! FAST FIND!"



No. 2378. Steel Fire Resisting Door.

These doors can be hung on the left or opposite hand shown in sketch, but unless so specified will be sent as drawn.

They can be made to open inwards if required, at an extra cost of **£2 0 0**



No 2379. Steel Fire and Thief Resisting Strong Room Door.

STEEL FIRE-RESISTING DOOR.

No. 2378.

SPECIFICATION.

Door Plate ½ in. hung with strong forged centres into 3 in. × ½ in. frame, with 2¼ in. × ⅝ in. rebate bar, secured with four bolts at front (fixed bolts at back), controlled by our 6-lever solid block lock with two keys, and protected by hardened steel plate. Lockcase 3½ in. thick, filled with the best known fire-resisting composition, secured to door-plate with pins, nuts, and straps.

	Approx. Weight. Cwt. qrs. lbs.	£ s. d.
Size of door plates, 6 ft. 0 in. × 2 ft. 0 in.	6 0 0	**Price, 17 0 0** each.
,, ,, 6 ft. 0 in. × 2 ft. 6 in.	7 0 0	,, **18 12 6** ,,
,, ,, 6 ft. 0 in. × 3 ft. 0 in.	8 0 0	,, **21 0 0** ,,
,, ,, 6 ft. 6 in. × 2 ft. 9 in.	8 0 0	,, **21 0 0** ,,
,, ,, 7 ft. 0 in. × 3 ft. 0 in.	9 2 0	,, **23 5 0** ,,

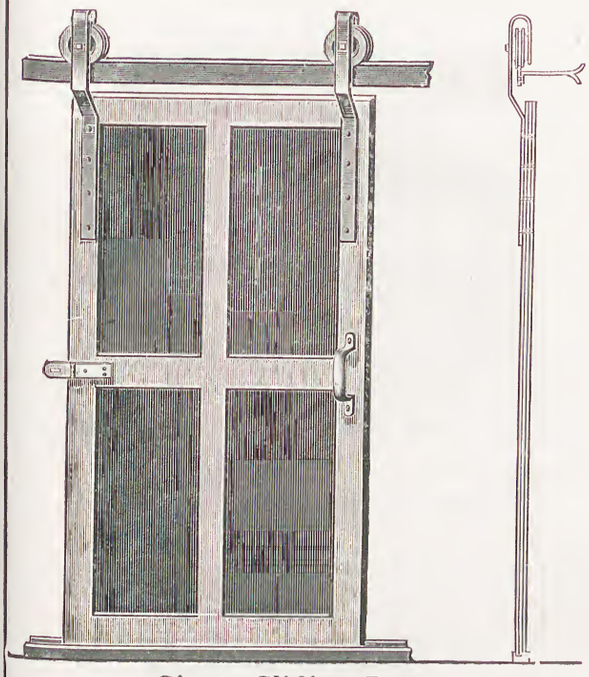
STEEL FIRE & THIEF RESISTING STRONG ROOM DOOR.

No. 2379.

Four moveable bolts each back and front, shooting through an angle iron lockcase (secured to door plate by ⅝ in pins and nuts), controlled by Whitfield's Patent 9-Slide Gunpowder-proof Unpickable Lock (two keys), protected by hardened steel plate.

		Size of Door Plate ..	6 ft. × 2 ft.	6 ft. × 2 ft. 6 in.	6 ft. × 3 ft.	6 ft. 6 in. × 3 ft.
Door Plate, ½ in. .. Frame, 3 in. × ⅝ in. Rebate, 2¼ in. × ⅝ in.	**No. 2379.** Fire and Thief Resisting ..	**Price** ..	£ s. d. **23 14 0**	£ s. d. **25 14 0**	£ s. d. **27 9 0**	£ s. d. **29 5 0** each.
		Weight ..	Cwt. qrs. lbs. 6 2 14	Cwt. qrs. lbs. 7 2 14	Cwt. qrs. lbs. 8 2 0	Cwt. qrs. lbs. 9 0 0
	No. 2380. Thief Resisting only	**Price** ..	£ s. d. **20 15 0**	£ s. d. **22 13 0**	£ s. d. **24 13 0**	£ s. d. **26 13 0** each.
		Weight ..	Cwt. qrs. lbs. 5 2 14	Cwt. qrs. lbs. 6 2 0	Cwt. qrs. lbs. 7 2 0	Cwt. qrs. lbs. 8 0 0
Door Plate, ⅝ in. .. Frame, 3½ in. × ⅝ in. Rebate, 2½ in. × ⅝ in.	**No. 2381.** Fire and Thief Resisting ..	**Price** ..	£ s. d. **25 13 0**	£ s. d. **28 0 0**	£ s. d. **30 10 0**	£ s. d. **32 13 0** each.
		Weight ..	Cwt. qrs. lbs. 7 1 14	Cwt. qrs. lbs. 8 2 0	Cwt. qrs. lbs. 9 3 0	Cwt. qrs. lbs. 10 1 0
	No. 2382. Thief Resisting only	**Price** ..	£ s. d. **22 5 0**	£ s. d. **24 10 0**	£ s. d. **26 13 0**	£ s. d. **28 13 0** each.
		Weight ..	Cwt. qrs. lbs. 6 1 0	Cwt. qrs. lbs. 7 1 0	Cwt. qrs. lbs. 8 1 0	Cwt. qrs. lbs. 9 0 0

PARTY WALL DOORS.



Single Sliding Door.

SPECIFICATION.

Door Plate ¼ in., panelled in four panels. with 3 in. × ¼ in. stiles and top rail, and 4 in. × ¼ in. middle and bottom rails, and running with two 6 in. pulleys, with 2½ in. × ½ in. straps on to 3 in. × ⅝ in. round edge running bar, secured to wall with building in brackets, groove at bottom, hasp and eye, and malleable pull handle. Painted two coats lead colour, and carriage paid any principal railway station. Four panels on one face only.

No. 2383.

Size of Opening.	Size of Plate.	PRICE EACH. £	s.	d.
6 ft. 6 ins. × 3 ft. 6 ins.	6 ft. 10 ins. × 4 ft. 0 ins.	**10**	**0**	**0**
7 „ 0 „ × 4 „ 0 „	7 „ 4 „ × 4 „ 6 „	**11**	**17**	**0**
7 „ 0 „ × 4 „ 6 „	7 „ 4 „ × 5 „ 0 „	**12**	**13**	**0**
7 „ 0 „ × 5 „ 0 „	7 „ 4 „ × 5 „ 6 „	**13**	**12**	**0**

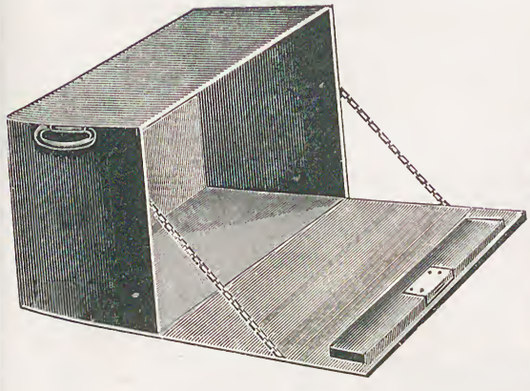
No. 2384.

Door panelled in four panels on each face of the plate.

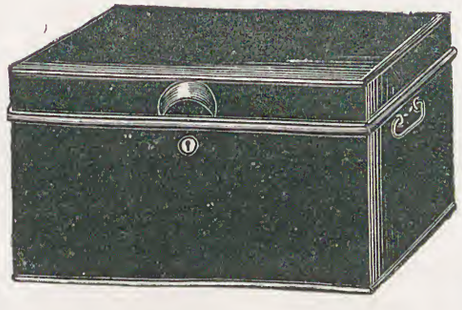
Size of Opening.	Size of Plate.	PRICE EACH. £	s.	d.
6 ft. 6 ins. × 3 ft. 6 ins.	6 ft. 10 ins. × 4 ft. 0 ins.	**11**	**14**	**0**
7 „ 0 „ × 4 „ 0 „	7 „ 4 „ × 4 „ 6 „	**13**	**8**	**0**
7 „ 0 „ × 4 „ 6 „	7 „ 4 „ × 5 „ 0 „	**14**	**5**	**0**
7 „ 0 „ × 5 „ 0 „	7 „ 4 „ × 5 „ 6 „	**15**	**5**	**0**

Single and Double "INSURANCE" DOORS & FRAMES quoted for on receipt of enquiry.

DEED BOXES.



No. 2385.



No. 2386.

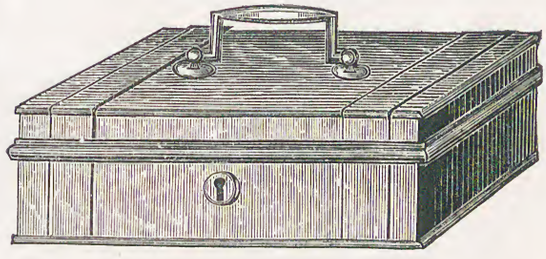
Japanned Black and Polished Tops, with Lever Locks.

Either Pattern same price.

	Best Quality.
12 × 8 × 6 ins. deep	**11/3** each.
13 × 9 × 8 „	**12/9** „
14 × 10 × 9 „	**15/-** „
16 × 12 × 10 „	**17/6** „
18½ × 13 × 11 „	**21/3** „
20½ × 14 × 12 „	**26/9** „
23½ × 16 × 13 „	**33/-** „
27 × 19 × 13½ „	**40/6** „
29 × 21 × 14½ „	**48/-** „
33 × 23 × 16½ „	**63/-** „

Fitted with Hobbs' Lever Lock, **4/9** each extra.

CASH BOXES.



No. 2387. Black and Filleted. Tumbler Lock.

Sizes	6	7	8	9	10	11	12 ins.
1 Lever	**5/6**	**6/-**	**6/6**	**7/6**	**8/-**	**9/-**	**10/-** ea.
2 Lever	**6/6**	**7/-**	**7/6**	**8/6**	**9/-**	**10/-**	**11/-** „

No. 2388. Strong Strapped Box.

Sizes	8	9	10	11	12 ins.
2 Lever	**12/6**	**13/6**	**14/9**	**15/6**	**16/6** each.

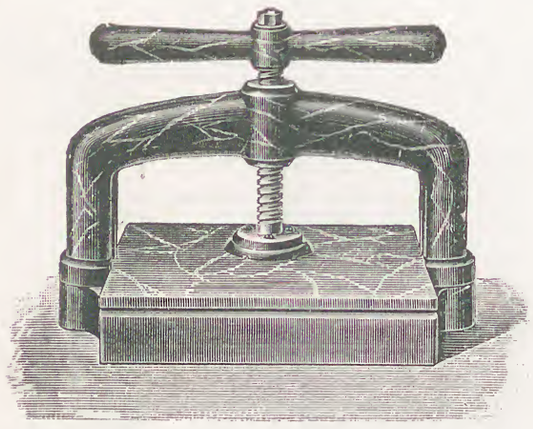
If with 4 Lever Lock **2/6** each extra.

If with Hobbs' Lock **4/-** „

Cheaper quality can be supplied, but above Cash Boxes are recommended.

COPYING PRESSES, STANDS AND ACCESSORIES.

COPYING PRESSES.
With Plain Handle.



Japanned Black and Veined in Gold.
Iron Washer and Brass Nut.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2389.	Small Quarto.	11 × 9	0	17	3	ea.
2390.	Quarto.	12 × 10	0	19	6	,,
2391.	Foolscap.	15 × 10	1	8	0	,,

Japanned Black and Marbled in Gold.
Extra Strong, Brass Mounted Washer and Brass Nut.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2392.	Quarto.	12 × 10	1	2	6	ea.
2393.	Foolscap.	15 × 10	1	13	3	,,
2394.	Folio.	18 × 12	2	8	6	,,

Machine Planed, Extra Strong, Superior Finish.
Japanned Bronze and Marbled in Gold.
G.M. Nut. G.M. Washers. On Plate and Beam.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2395.	Quarto.	12 × 10	1	7	0	ea.
2396.	Foolscap.	15 × 10	1	17	6	,,
2397.	Folio.	18 × 12	2	13	9	,,
2398.	Flat Folio.	22 × 17	5	2	0	,,

WATER WELL.



No. 2399.
Hanging Water Well with China Lining.
Price, 2/6 each.
No. 2400. Linings only.
1/- each.

DAMPING BRUSH.

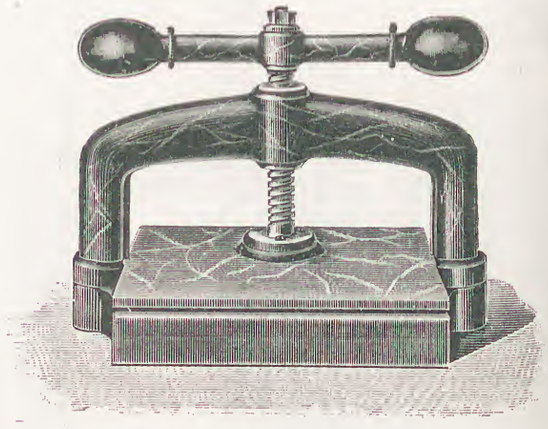


No. 2401. Camel Hair Damping Brush.

Sizes,	2	3	4	inch.
	1/3	**1/6**	**2/-**	each.

India-rubber, Felt covered, same prices.

COPYING PRESSES.
With Oval Brass Ball Handle.



Japanned Black and Veined in Gold.
Iron Washer and Brass Nut.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2402.	Small Quarto.	11 × 9	1	2	6	ea.
2403.	Quarto.	12 × 10	1	4	9	,,
2404.	Foolscap.	15 × 10	1	11	6	,,

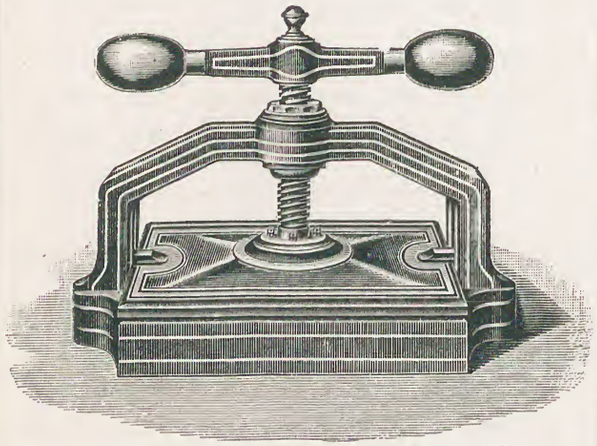
Japanned Black and Marbled in Gold.
Extra Strong, Brass Mounted Washer and Brass Nut.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2405.	Quarto.	12 × 10	1	7	0	ea.
2406.	Foolscap.	15 × 10	1	18	9	,,
2407.	Folio.	18 × 12	2	13	9	,,

Machine Planed, Extra Strong, Superior Finish.
Japanned Bronze and Marbled in Gold.
G.M. Nut. G.M. Washer. On Plate and Beam.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2408.	Quarto.	12 × 10	1	11	0	ea.
2409.	Foolscap.	15 × 10	2	3	0	,,
2410.	Folio.	18 × 12	3	0	0	,,
2411.	Flat Folio.	22 × 17	5	10	9	,,

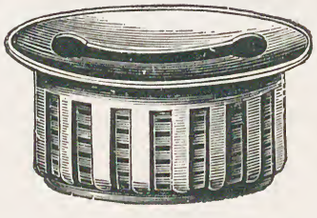
COPYING PRESSES.
With Oval Gun-metal Balls.



Wrought Iron Beam, Machine Planed Plates, Ears on Plate, Gun-metal Washer on Plate and Collars on Beam, Gun-metal Nut and Balls on Handle, Japanned and Ornamented with Bronze Fillet. Superior Finish.

No.	Description.	Sizes in Inches.	Price £	s.	d.	
2412.	Quarto.	12 × 10	2	18	0	ea.
2413.	Foolscap.	15 × 10	3	17	6	,,
2414.	Folio.	18 × 12	5	5	0	,,
2415.	Flat Folio.	22 × 17	9	13	6	,,
2416.	Royal.	24 × 18	11	16	6	,,

WATER WELL.



Round Fluted Water Well.
No. 2417.

Small.	Large.
1/3	**1/6** each.

BEST OIL SHEETS AND DRYING SHEETS.

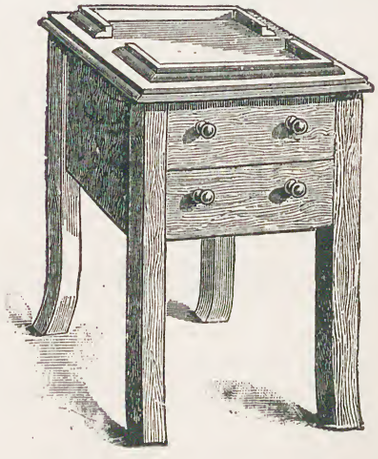
No. 2418. Oiled Sheets.

	Very best thick.	Good thin quality.	
Quarto ..	**1/4**	**9**d.	doz.
Foolscap ..	**1/8**	**1/-**	,,
Folio ..	**2/8**	**1/6**	,,

No. 2419. Drying Sheets.

Quarto.	Foolscap.	Folio.
9d.	**1/3**	**1/6** doz.

COPYING PRESS STANDS.



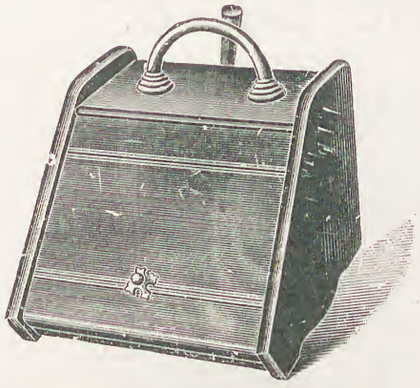
No. 2420. With One Drawer.

Size.	Birch. £	s.	d.	Mahogany. £	s.	d.	
Quarto ..	£1	4	3	£1	13	0	each.
Foolscap ..	1	10	9	1	17	6	,,
Folio ..	2	1	9	2	8	6	,,

No. 2421. With Two Drawers.

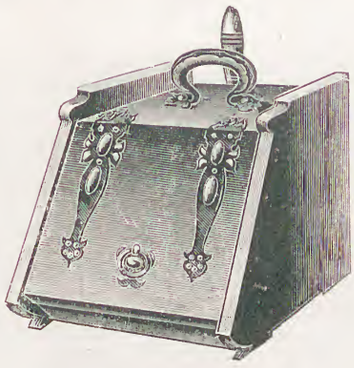
Size.	Pine.	Birch.	Mahogany.	Oak.	
Quarto ..	**15/3**	**26/6**	**34/-**	**36/6**	each.
Foolscap ..	**18/9**	**33/-**	**38/6**	**41/9**	,,
Folio ..	**36/6**	**44/-**	**49/6**	**55/-**	,,

COAL VASES (WOOD, JAPANNED IRON, BRASS AND COPPER).



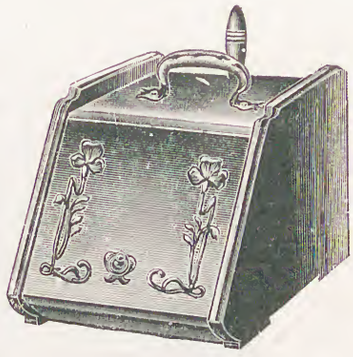
No. 2422. Solid Top and Door, Black Lining, **15/9** each.
No. 2423. Ditto, Galvanized Lining, **19/9** each.

Walnut, Oak, or Mahogany

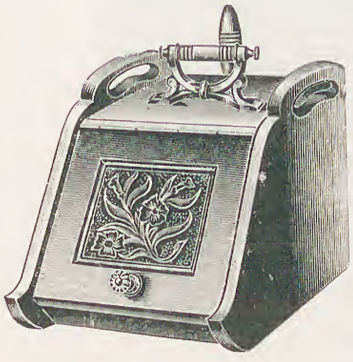


No. 2424.
Oxidized Mounts, Black Lining, **18/3** each.

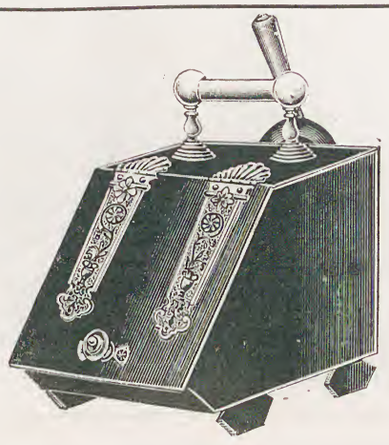
Walnut, Oak, or Mahogany



No. 2425.
Solid Top and Door, Oxidized Mounts, Galvanized Lining, **26/6** each.



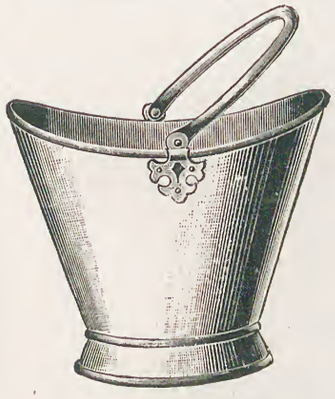
No. 2426.
Galvanized Lining, **33**/- each.
Walnut, Oak or Mahogany.



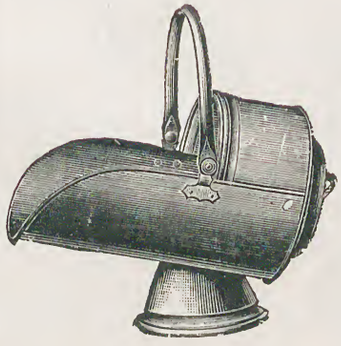
No. 2427.
Plain Japanned Black, Brass Hinges, &c.
Extra Strong, Polished Top and Front, **14/6** each.



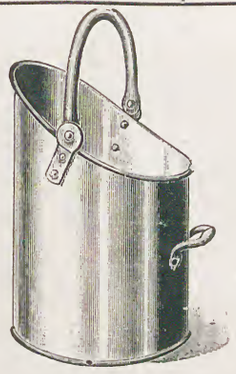
No. 2428.
Polished Brass .. .. **34/6** each.
Polished Copper .. **39/6** ,,



No. 2429.
Polished Copper or Brass.
16 in. "Waterloo."
Copper Handle. **19/9** each.



No. 2430.
Polished Copper or Brass.
16 in. "Albert," with Hand Scoop.
31/- each.



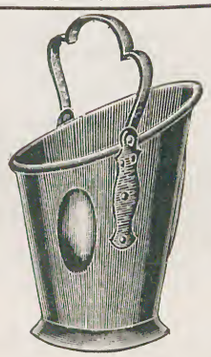
No. 2431.
Polished Brass Scoop, with Best Tube and Back Handle.
15 16 17 ins. high.
23/- **27**/- **29/9** each.



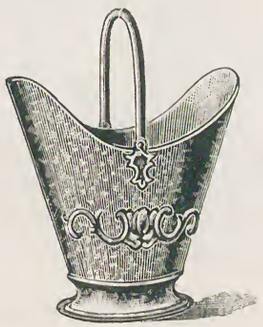
No. 2432.
Heavy Antique Copper, with Armour Bright Handle.
52/- each.



No. 2433.
Polished or Antique Copper, or Polished Brass.
32/- each.



No. 2434.
Heavy Antique Copper, with Armour Bright Handle.
40/- each.

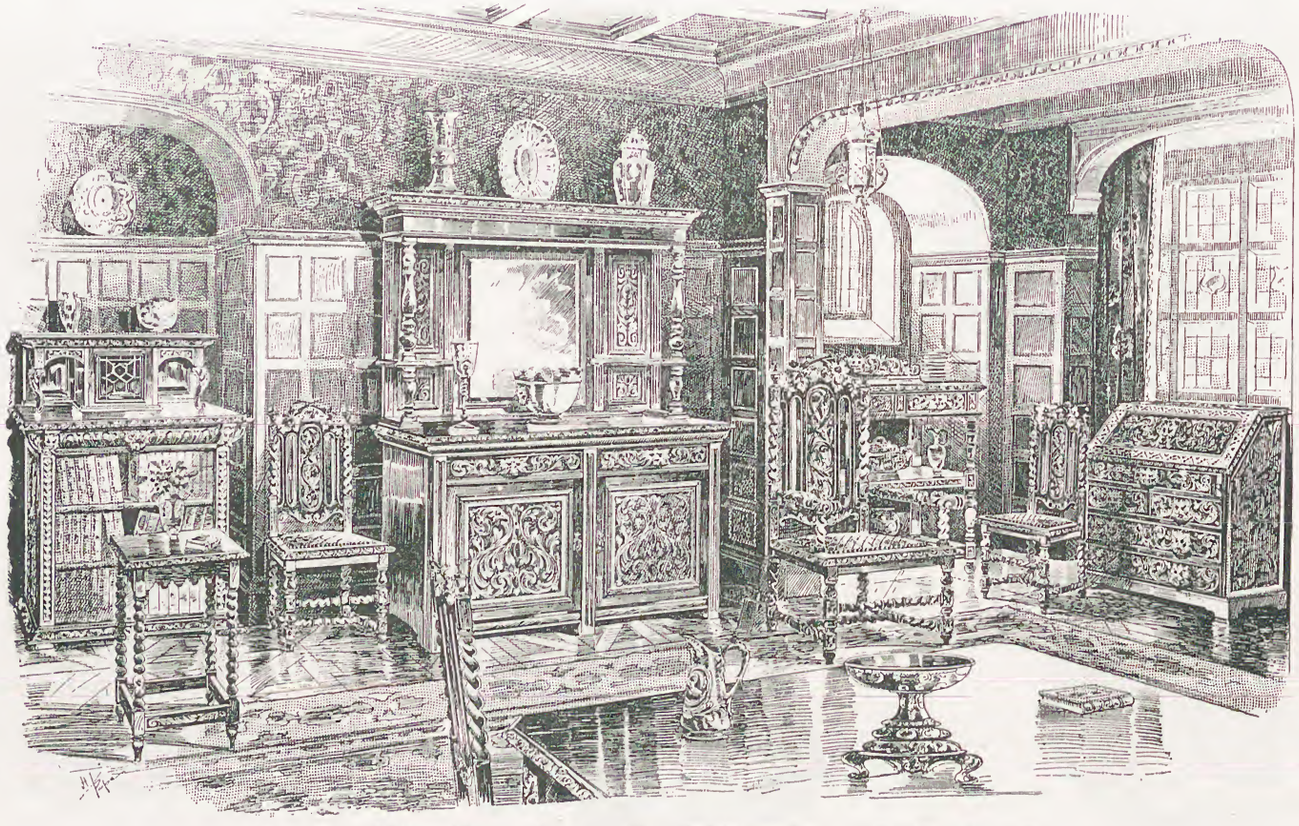


No. 2435.
Antique Copper.
27/- each.

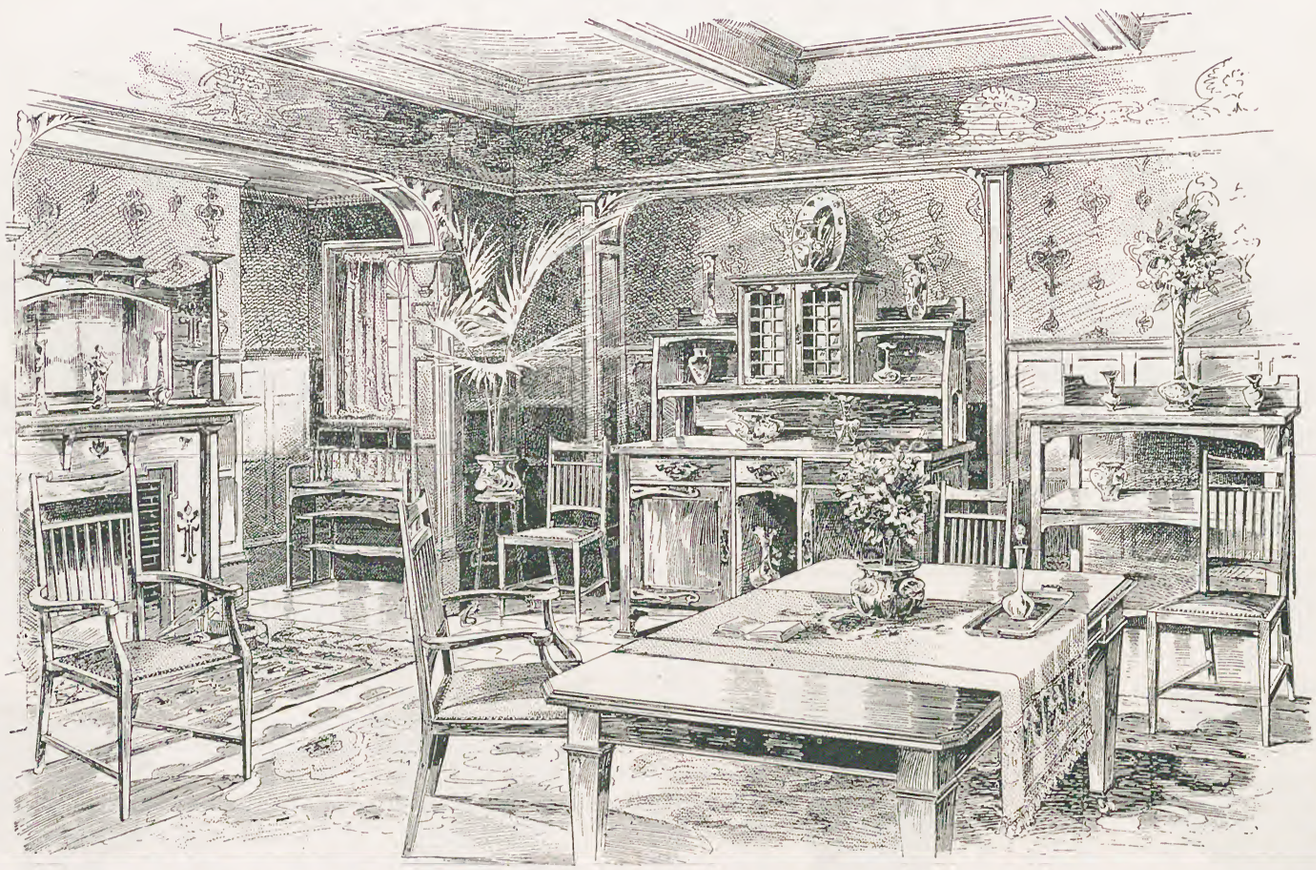


No. 2436.
Polished or Antique Copper, or Polished Brass.
28/- each.

No. 2440. DINING ROOM FURNITURE SUITE.

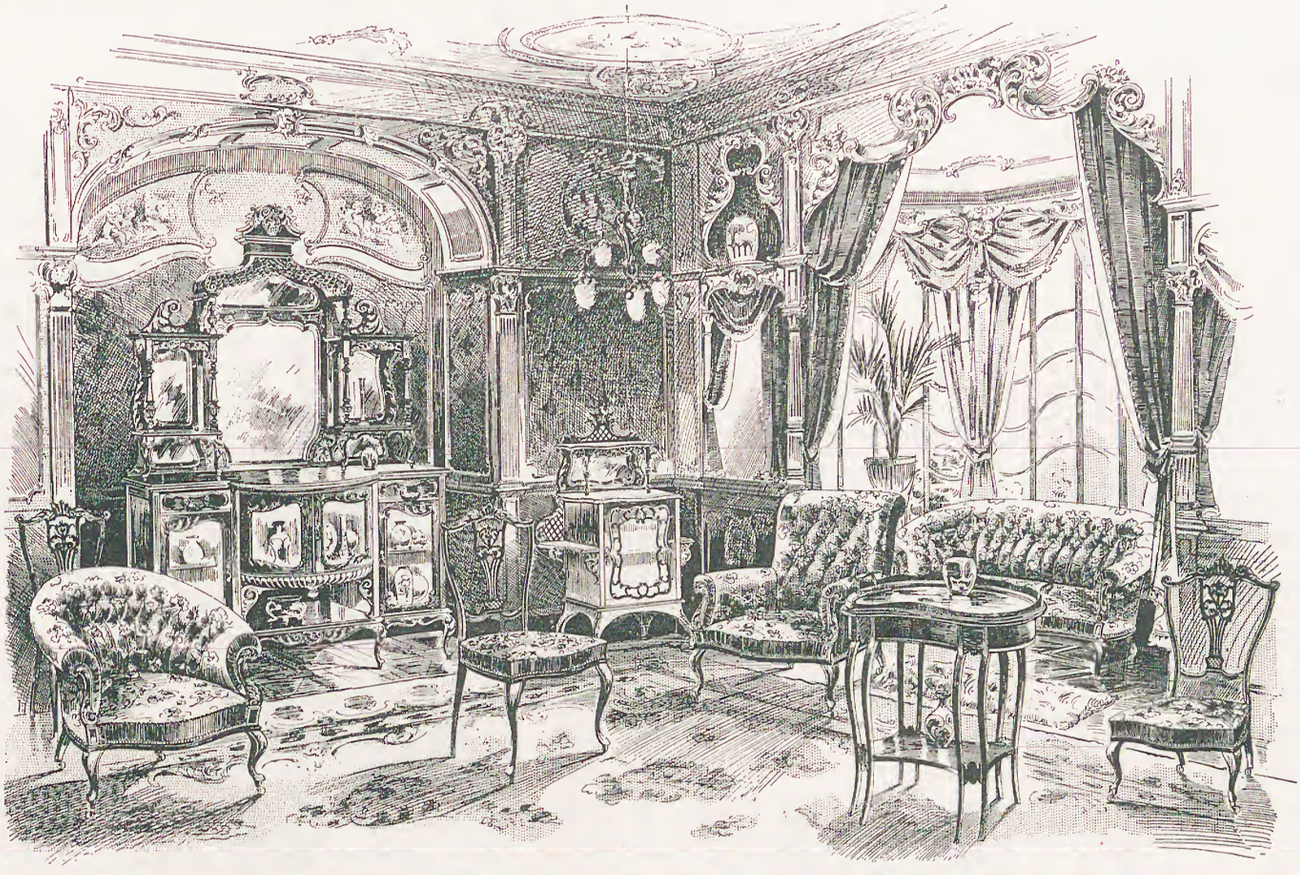


No. 2441. DINING ROOM FURNITURE SUITE.

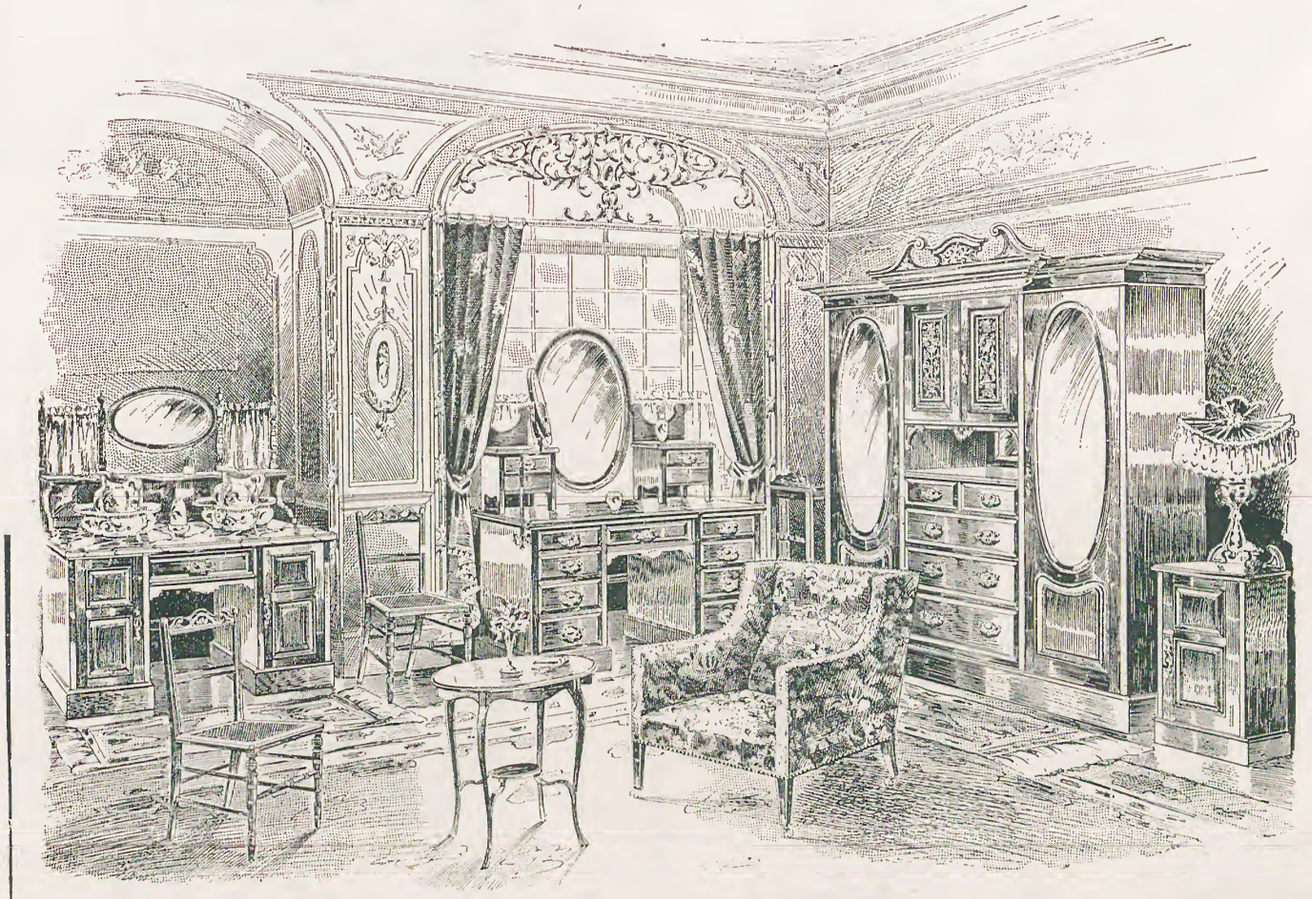


Clients are specially invited to attend London Show Rooms, where selections can be made from large varieties of all kinds and styles of Furniture.

No. 2442. DRAWING ROOM FURNITURE SUITE.

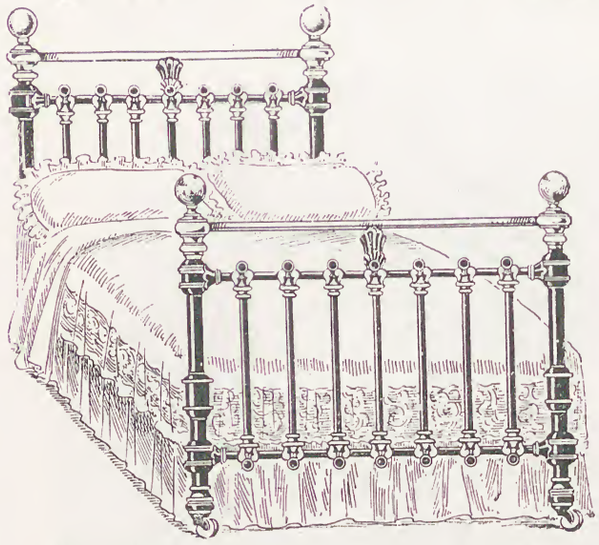


No. 2443. BEDROOM FURNITURE SUITE.



Clients are specially invited to attend London Show Rooms where selections can be made from large varieties of all kinds and styles of Furniture.

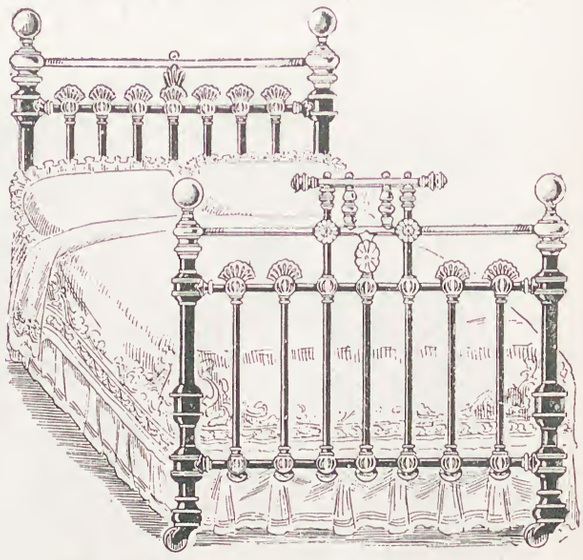
BEDSTEADS.



No. 2444. Black and Brass, 1 in. Pillars.

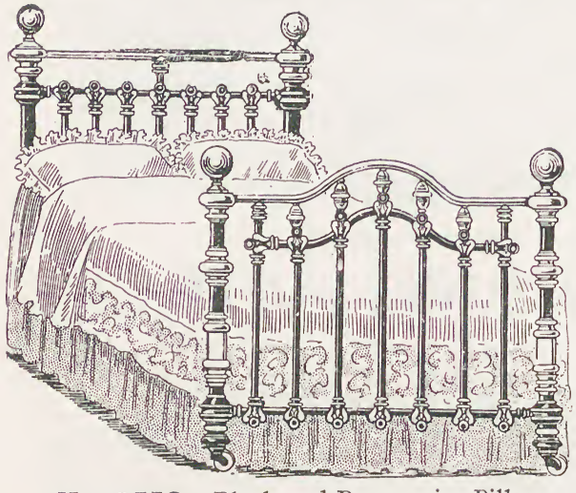
Sizes, 3 ft.	4 ft.	4 ft. 6 in.
Prices—24/9	**26/3**	**27/6** each.

If 1¼ in. Pillars. **5**/- each extra.



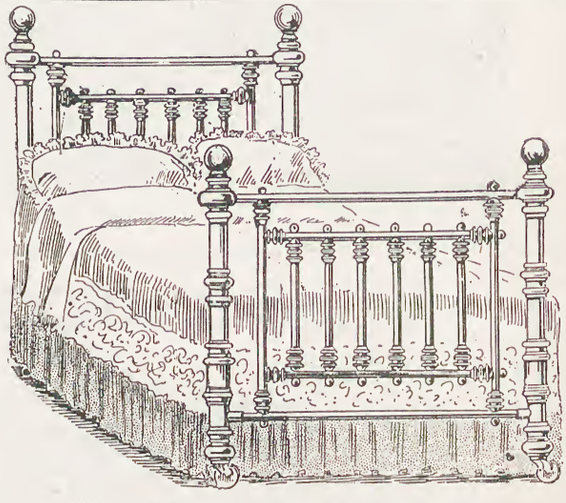
No. 2445. Black and Brass, 1¼ in. Pillars.

Sizes, 3 ft.	4 ft.	4 ft. 6 in.
Prices—34/3	**36/-**	**37/-** each.



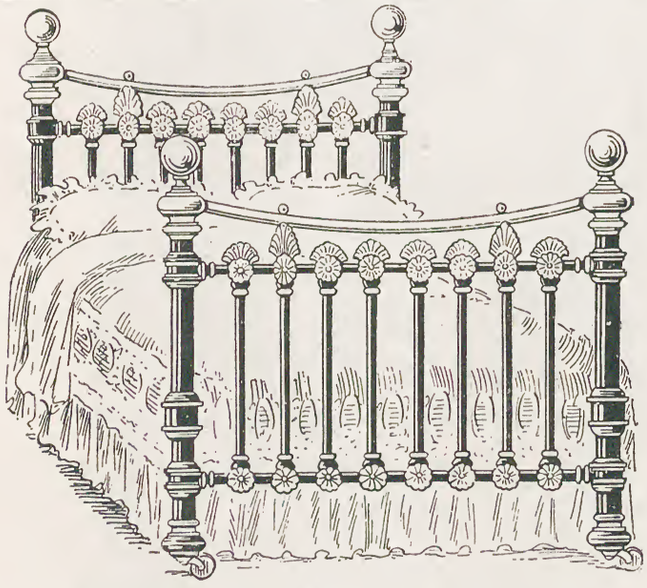
No. 2446. Black and Brass, 2 in. Pillars

Sizes, 3 ft.	4 ft.	4 ft. 6 in.
Prices—64/6	**66/-**	**66/9** each.



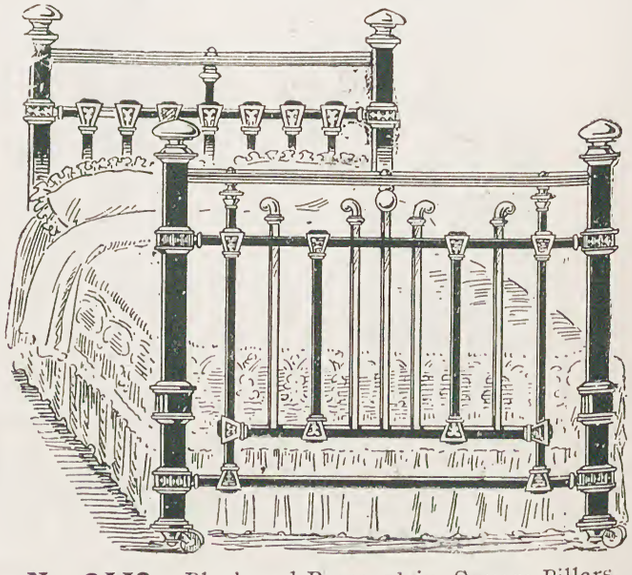
No. 2447. All Brass, 2 in. Pillars.

Sizes, 4 ft.	4 ft. 6 in.	5 ft.
Prices—129/-	**132/-**	**136/-** each.



No. 2448. Black and Brass, 1¼ in. Pillars.

Sizes, 3 ft.	4 ft.	4 ft. 6 in.
Prices—45/-	**46/6**	**47/3** each.



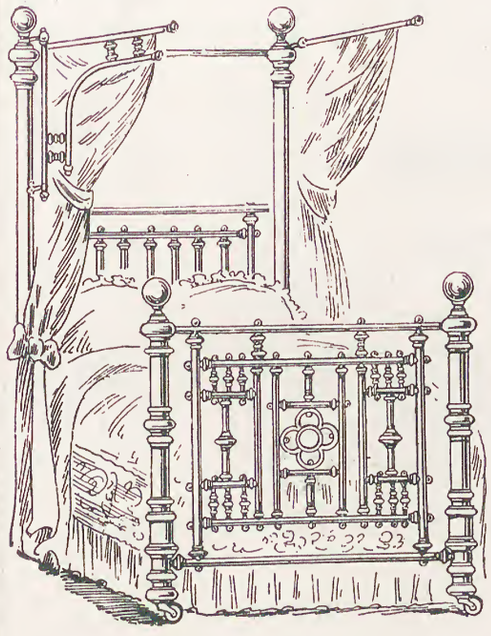
No. 2449. Black and Brass, 1½ in. Square Pillars.

Sizes, 3 ft.	4 ft.	4 ft. 6 in.	5 ft.
Prices—104/-	**105/9**	**106/6**	**108/-**

LARGE SELECTION IN LONDON.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

BEDSTEADS, MATTRESSES AND BEDDING.



No. 2451.—All Brass, 2 in.

Sizes ..	4 ft. 6 in.	5 ft.	
No. 2450.—French	**£9 12 3**	**£9 14 9**	each.
No. 2451.—Italian	**£11 12 6**	**£11 17 3**	,,



No. 2452.—All Brass. 1½ in.

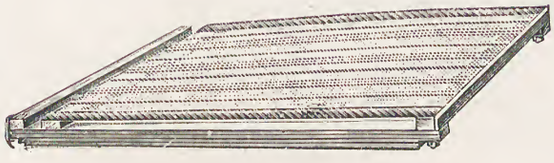
Sizes	4 ft. 6 in.	5 ft.	
Italian	**£12 1 0**	**£12 5 6**	each.



No. 2453.—All Brass. 1¾ in. square.

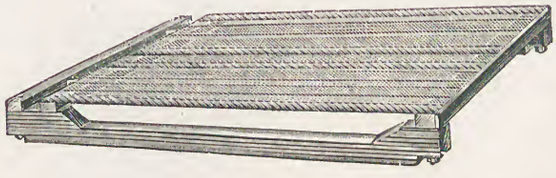
Sizes	4 ft. 6 ft.	5 ft.	
Italian	**£19 6 9**	**£19 11 3**	each.

WIRE MATTRESSES.



No. **2454.**—Cable Edges and Centre.
Pitch Pine Frame.

Sizes ..	3 ft.	4 ft.	4 ft. 6 in.	5 ft.	
Price ..	**24/-**	**25/9**	**26/6**	**28/3**	each.



No. 2455.—Cable Edges and Centre.
Raised Pitch Pine Frame.

Sizes ..	3 ft.	4 ft.	4 ft. 6 in.	5 ft.	
Price ..	**38/-**	**40/-**	**41/-**	**42/6**	each.

BEDDING.

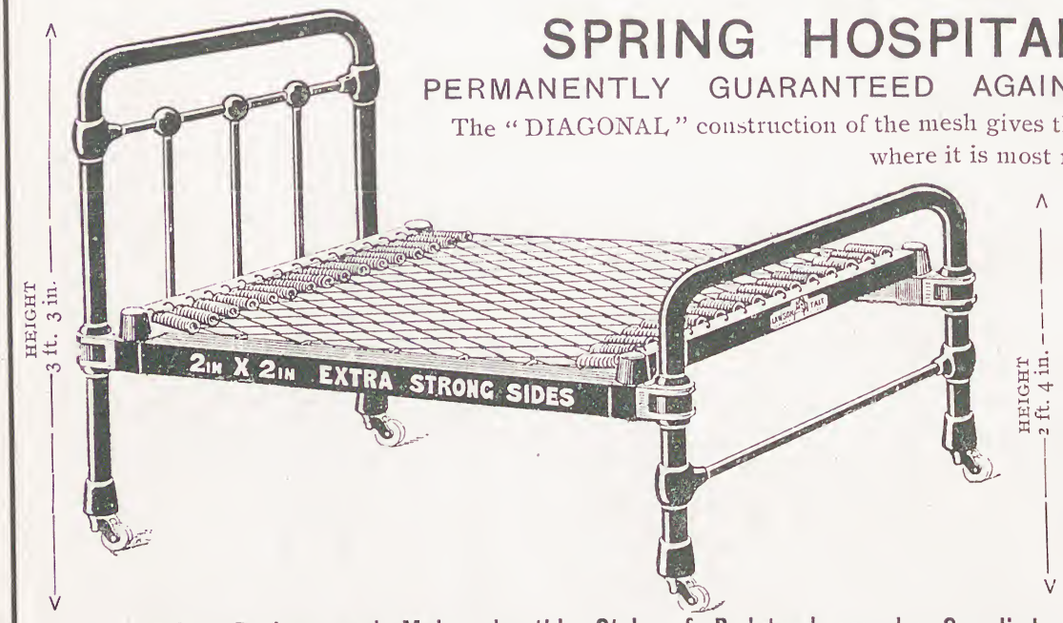
	3 ft.	4 ft.	4 ft. 6 in.	5 ft.	
No. 2456.—Special Wool Mattress, in Fancy Tick	**16/9**	**21/3**	**23/6**	**28/-**	each.
No. 2457.—Washed Wool Mattress, in Satin Belgian Tick ..	**23/6**	**32/3**	**35/6**	**41/-**	,,
No. 2458.—White Wool Mattress, in Super Satin Belgian Tick	**44/9**	**60/-**	**67/-**	**74/-**	,,
No. 2459.—Wool and Hair Mattress, in Super Satin Belgian Tick	**42/6**	**56/9**	**62/-**	**72/6**	,,
No. 2460.—Hair Mattress, in Fancy Union Tick	**54/-**	**72/-**	**80/-**	**90/-**	,,
No. 2461.—Hair Mattress, in Fancy Union Tick, best quality	**83/-**	**108/-**	**120/-**	**134/-**	,,

	3 ft.	4 ft.	4 ft. 6 in.	5 ft.	
No. 2462.—Feather Bolster, "Fair" ..	**8/-**	**10/3**	**11/3**	**12/-**	each.
No. 2463.—Feather Bolster, Medium ..	**10/3**	**15/6**	**16/6**	**18/3**	,,
No. 2464.—Feather Bolster, Best ..	**17/3**	**25/9**	**29/9**	**33/9**	,,
No. 2465.—Feather Pillows, "Fair" ..	**7/3** each.	**10/9**	**11/6**	**13/-**	per pair.
No. 2466.—Feather Pillows, Medium ..	**8/6** each.	**14/9**	**17/-**	**18/3**	,,
No. 2467.—Feather Pillows, Best ..	**15/-** each.	**25/9**	**29/9**	**33/9**	,,

"LAWSON TAIT"
SPRING HOSPITAL BEDSTEADS.

PERMANENTLY GUARANTEED AGAINST BREAKING OR SAGGING.

The "DIAGONAL" construction of the mesh gives the greatest resistance in the centre of the bed where it is most required.



No. 2468.

6 ft. 6 ins. × 2 ft. 6 ins **37**/- each.

6 ft. 6 ins. × 3 ft. **38**/- each.

6 ft. 6 ins. × 3 ft. 6 ins. **44**/- each.

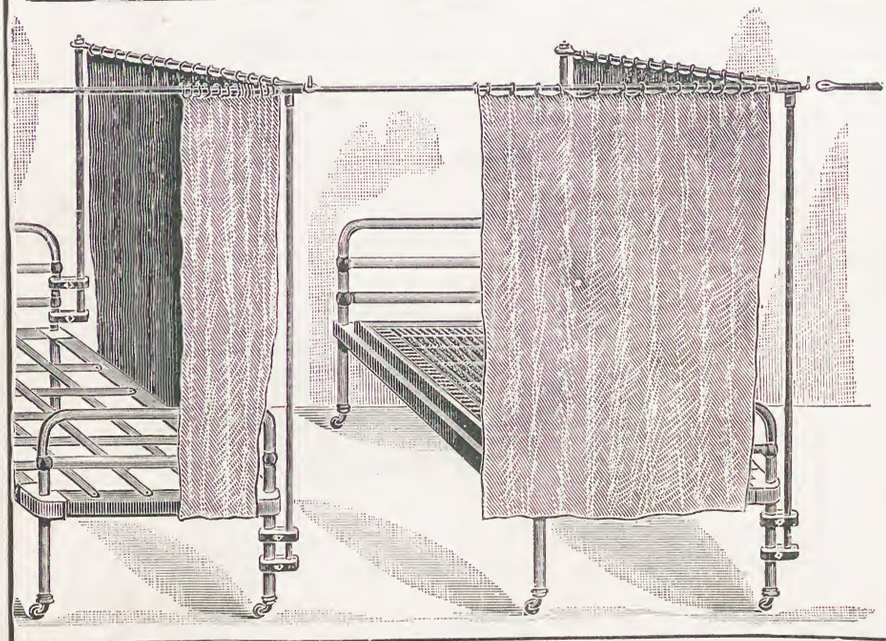
If with 2 in. diameter India-rubber Tyre Castors, **3/6** per Bedstead extra.

1 in. Head and Foot Bows. $\frac{5}{8}$ in. Filling. $1\frac{3}{4}$ in × $1\frac{3}{4}$ in. Extra Strong Steel Angle Sides. In 3 parts only, viz.—Head, Foot and Spring Frame. Patent "Victex" China Bowl Castors. Mesh well galvanized to prevent rust.

16 Springs, each $3\frac{1}{2}$ ins. long × $\frac{7}{8}$ in. diameter at each end.

ESTIMATES SUBMITTED.

Other Designs and Makes in this Style of Bedstead can be Supplied.



No. 2469.

PATENT BED DIVISION FITTINGS.

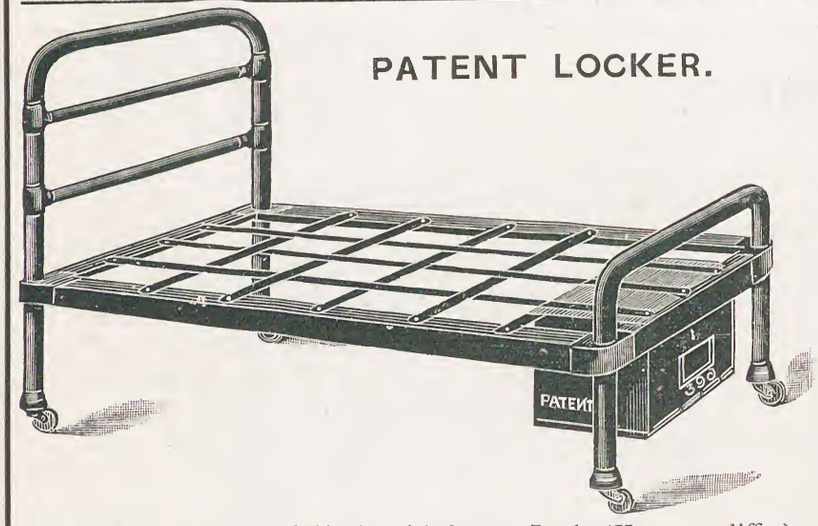
FOR ATTACHING TO ANY ORDINARY BEDSTEAD

Specially recommended to Boards of Guardians, Masters and Stewards of Workhouses, Infirmaries, Schools, Hospitals, &c. They have recently been introduced for the purpose of carrying out the regulation of the Local Government Board in their Circular of August 4th, 1900, in respect of the "Aged Deserving Poor," recommending "that sleeping accommodation in separate cubicles should be provided."

They are now being supplied in Poor Law Institutions and from their convenience and ease in fixing, are found to give every satisfaction.

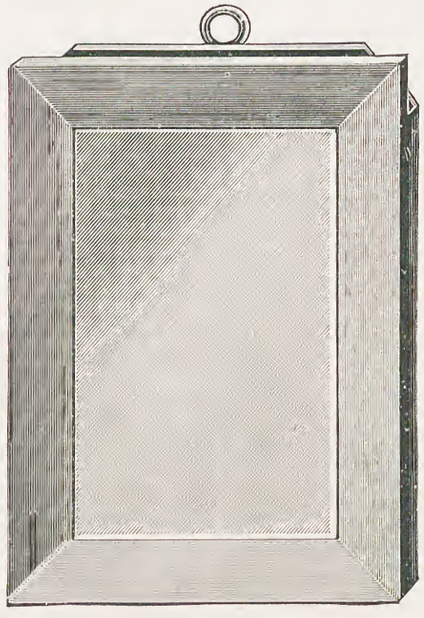
Price per set, Rods and Fittings complete. for one Bedstead .. **8**/-

PATENT LOCKER.



No. 2470. Japanned Black, with Strong Lock (Keys to differ), Card Frame, and Numbered according to instructions. **9/6** each.

Easily and securely attachable to either Lath or Wire Mattress Bedsteads.



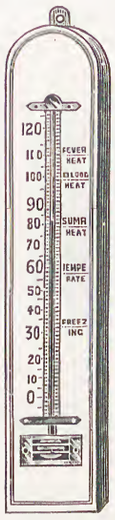
ENAMELLED BED CHART HOLDER.

No. 2471.

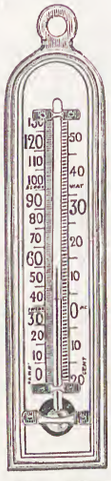
Enamelled Black, with White or Red Front and Sides.

24/- per dozen.

THERMOMETERS.



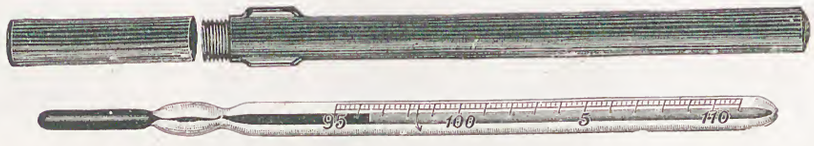
No. 2472.



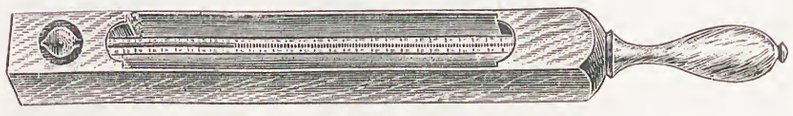
No. 2475.



No. 2476.



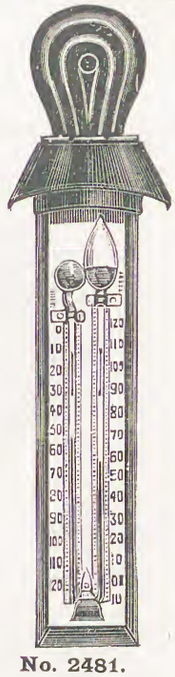
Nos. 2477 and 2478.



No. 2479.



No. 2480.



No. 2481.

No. **2472.** Ward. 8 ins. Boxwood, with Spirit Tubes. Fahrenheit scale .. .. **11/6** per dozen.

No. **2473.** Ditto, better quality, plain Mercury Tubes .. **15/-** ,,

No. **2474.** Ditto, 10 ins. Boxwood, Sunk Enamelled Mercury Tubes, Single Divisions, Fahrenheit scales .. **24/-** ,,

No. **2475.** 8 ins. White Porcelain Enamelled, Mercury Tubes, and Centigrade scale .. .. .. **39/-** ,,

No. **2476.** 8 ins. Boxwood "Garden" Spirit Tubes, Minimum Fahrenheit scale .. .. **12/6** ,,

No. **2477.** Clinicals. 4 ins. in G.S. Cases, 1 minute.. .. **25/-** per dozen.

No. **2478.** Ditto, ½ minute .. .. **27/6** ,,

No. **2479.** 18 ins. "Bath" in Wood Case, with Handle, C and F scale .. .. **16/6** ,,

No. **2480.** "Bath," Japanned Case, Metal scale, Plain Tubes.. 8 **20/-** 10 **25/-** 12 ins. **33/-** ,,

No. **2481.** Self-Registering Maximum and Minimum, Enamel Tube on Boxwood scale, White or Black Japanned Case Sizes 8 **60/-** 10 **90/-** 12 **120/-** 14 **144/-** ,,

BAROMETERS.

MARINE ANEROID

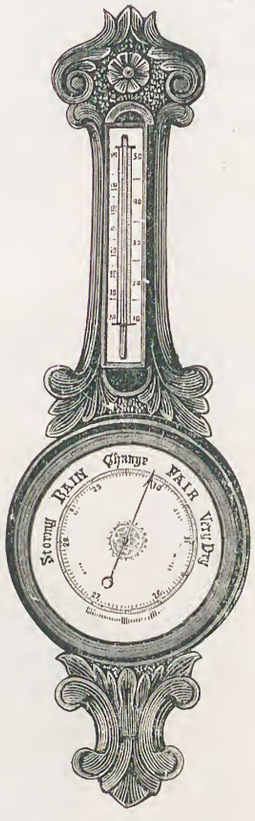


No. 2482.

Oak or Walnut Carved Frames.

Porcelain Dials.

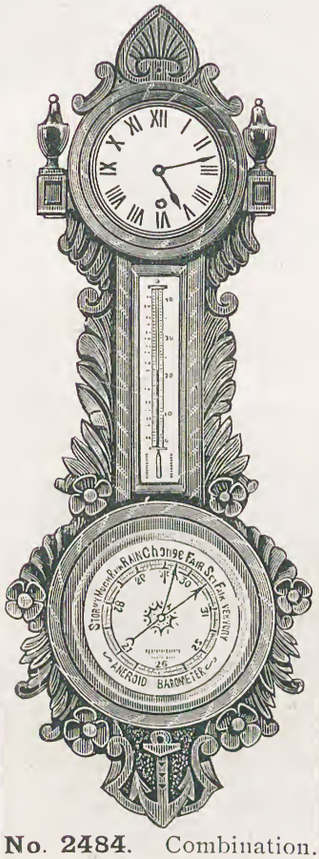
4½	5½	6½ in. Dials.
13/-	**17/-**	**21/-** each.



No. 2483.

Oak or Walnut Carved Frame. Porcelain Dials.

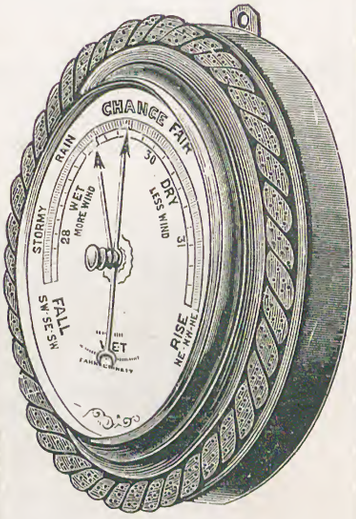
Dials 5½	6½	8	10 ins.
Frame 27×8	29×9	33×10	40×13 ins.
Price 24/-	**28/-**	**33/-**	**48/-** ea



No. 2484. Combination. Aneroid Porcelain Dials. Horizontal 8-Day Timepiece to wind at back.

Sizes 25×9½	30½×11 ins.
Dials 5½	6½ ins.
Price 40/-	**55/-** each.

MARINE ANEROID.



No. 2485.

Light or Dark Carved Oak. "Cable" Pattern. Porcelain Dials.

4½	5½	6½	8 in. Dials
13/-	**14/-**	**17/-**	**21/-** each.

LEATHER BAGS AND PORTMANTEAUX.

LETTERED IN BLACK OR GOLD AT SMALL EXTRA CHARGE.

"BRIEF" AND "BRIEF BULGE" BAGS.



Sizes, 10 to 18 ins. long.

No. 2486. "Brief," Roan, Lined Drab **6¾**d per in.

No. 2487. Cowhide, Lined Drab, **7¼**d. per in.

No. 2488. Cowhide, Lined Leather, **9¾**d. per in.

No. 2489. Bulged as drawn, Cowhide, Lined Drab, **8**d. per in.

No. 2490. ,, ,, Leather, **9¾**d. ,,

DEEP SQUARE BAG.



No. 2491.

Soft Sides, Caned Ends.

Sizes, 12 to 18 ins. long.

No. 2491. Cowhide, Superior Quality, Lined Drab Matting, Best Frame, **1/1** per in.

No. 2492. Ditto. Leather Lined, **1/4½** per in.

No. 2493. Ditto. ditto. Covered Frame, **1/6** per in.

KIT BAG.

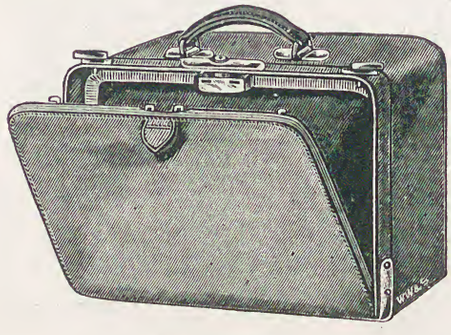


No. 2494.

Sizes, 14, 16, 18, 20 and 22 ins. long. Cowhide, Lined Drab Matting, Japanned Frame, Brass Sliding Nozzle Lock, Full Cut, **1/3** per in.

No. 2495. Ditto, ditto, Superior Quality. **1/5** per in.

"COMMERCIAL" SAMPLE BAG.

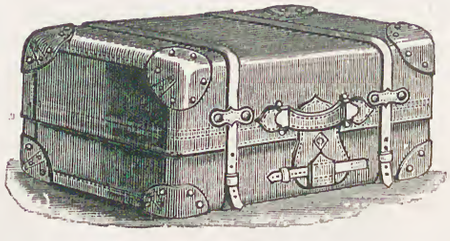


No. 2496.

Sizes, 14, 16, 18, 20, 22, 24 ins. long. Cowhide, Lined Drab, Slides and Shoes, Steel Band Round Centre, **1/3** per in.

No. 2497. Ditto. Extra Strong, Lined Linen Drill, and Brass Fittings. **1/9** per in.

RAILWAY PORTMANTEAU.



No. 2498.

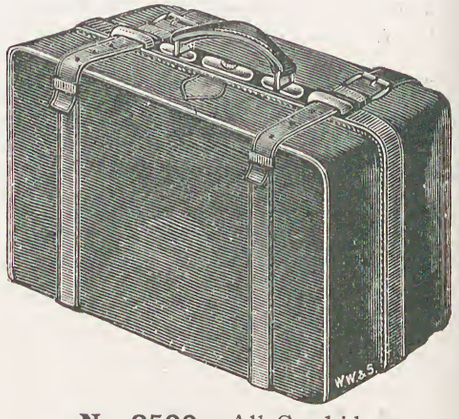
Basil Leather, Turnover Edges, Leather Corners, Half Straps, Super Finish Tumbler Lock,

1/3 per in.

No. 2499. Stout Hide Ditto.

2/- per in.

GLADSTONE BAGS.



No. 2500. All Cowhide, **11½**d. per in.

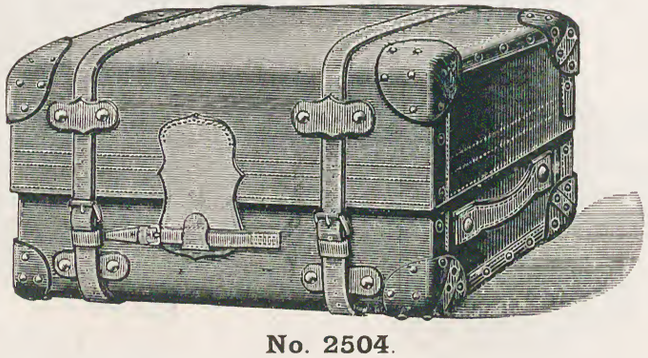
No. 2501. Ditto. with Shirt Case. **1/0½**d. per in.

No. 2502. Ditto. Better, Leather Pocket. **1/2** per in.

No. 2503. Ditto. ditto. Lined Leather. **1/6** per in.

Any of these fitted with Slides and Shoes at **2/3** per bag extra.

FOLDING PORTMANTEAU.



No. 2504.

Sizes, 27, 30, 33 and 36 ins. long.

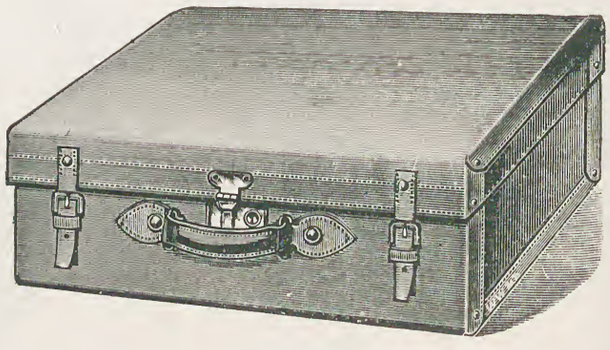
Basil Leather Turnover Edges, Leather Corners, Half Round Straps .. .. **1/4½** per in

No. 2505. Devon Basil, ditto. ditto. .. **1/8** ,,

No. 2506. Stout Hide, ditto. ditto. .. **2/2** ,,

No. 2507. Ditto. ditto. Better Quality .. **2/5** ,,

GENT'S SUIT CASE.



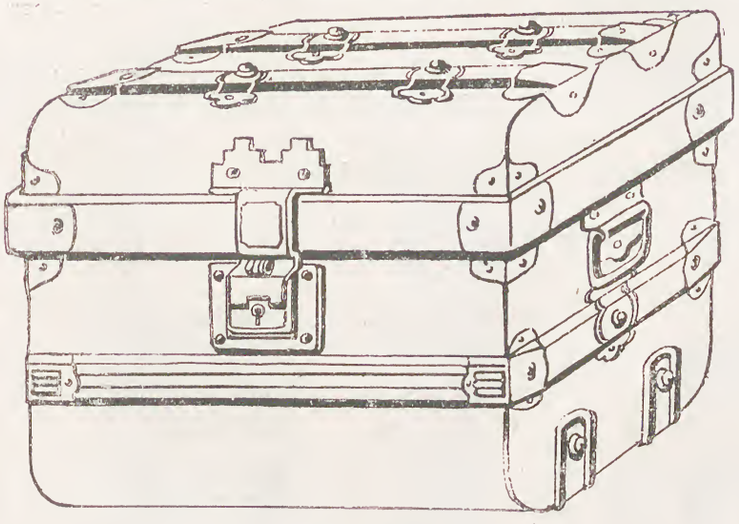
No. 2508.

Stout Hide, Welted Edges, Drop Back Lid, One Lever Lock, Two Stout Straps in Front, Lined Stripe.

Lengths	20	22	24	27	30 ins.
Width	14	15	16	17	18 ,,
Depth	8	8	8	8	8 ,,
Prices—	**38/6**	**42/6**	**46/-**	**52/-**	**58/-** each.

TRUNKS AND DRESS BASKETS.

"MEDITERRANEAN" STEEL TRUNK.

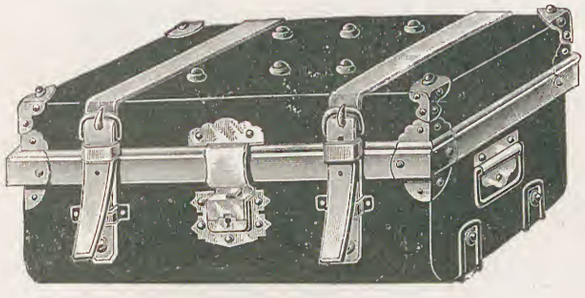


No. 2509.

Made of B.B. Steel Plates; the tops and ends are patent wood-bound, rivetted at all corners and strongly protected, **heavily strapped the whole length of bottom.** The lock is our patent 3-lever lock with nickel-plated flat keys, all to differ. A first-class trunk. Japanned green and rich sienna bands. Patent stretcher in lid. Extra wide.

Sizes ..	24	26	28	30	inches long.
Prices ..	**17/6**	**19/3**	**21/6**	**24/3**	each.

THE "ADJUTANT" STEEL CABIN TRUNK.



No. 2511.

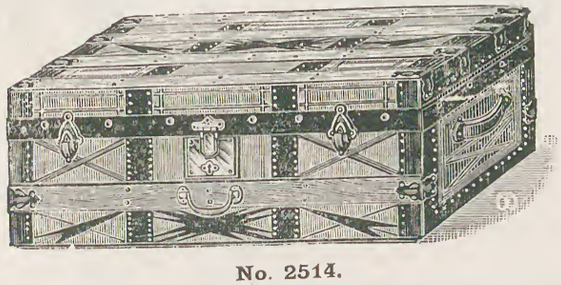
Made of Best Best 24-Guage Steel, fitted with cast hasp brass lever lock and nickelled keys. Lid protected by rivetted malleable corners, patent corrugated block strengthener and steel corner clips Body protected by rivetted clips, stamped steel mitre pockets, rivetted steel hinges, and patent lid stay; fitted with two strong leather straps and front handle (not shown). Japanned ebonite.

Sizes ..	26	28	30	32	34	inches long.
Prices ..	**11/-**	**12/9**	**14/3**	**16/3**	**18/-**	each.

No. 2512. Strapped whole length of Bottom and up Ends.

Sizes ..	26	28	30	32	34	inches long.
Prices ..	**11/9**	**13/9**	**15/6**	**17/6**	**19/-**	each.

WOOD CABIN TRUNK.

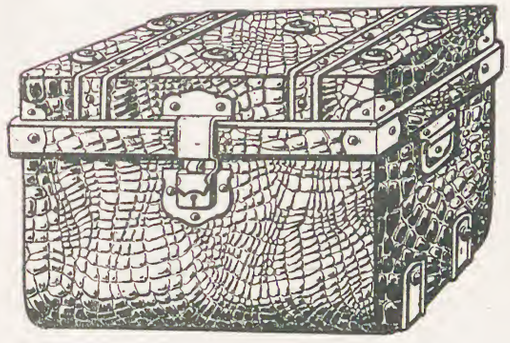


No. 2514.

Covered Hide, iron bottom, iron bound, spring lock and bolts, leather handles, plain tray. On Rollers.

Sizes ..	28	30	32	34	36	inches long.
Prices ..	**20/-**	**21/9**	**24/-**	**26/9**	**29/3**	each.

ROLLED CROCODILE HIDE STEEL TRUNK.



REGISTERED DESIGN.

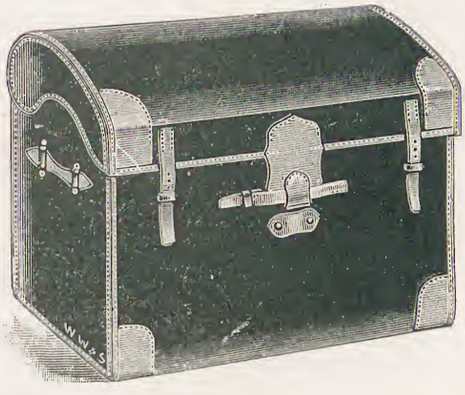
No. 2510.

This Trunk is not simply decorated to imitate Crocodile Hide, but is wrought into the very form of Crocodile Hide, which imparts to the metal a rigidity, toughness and strength that can be obtained in no other way, and enables a unique finish to be given to the Trunk.

Strapped the full length of bottom and across the top with steel bands fitted with patent corrugated block steel stretcher, patent lid stays, large stamped rivetted plates, and good brass lock. Best Japanned

Sizes ..	24	26	28	30	inches long.
Prices ..	**9/3**	**11/6**	**13/3**	**15/6**	each.

LADIES' DRESS BASKET.



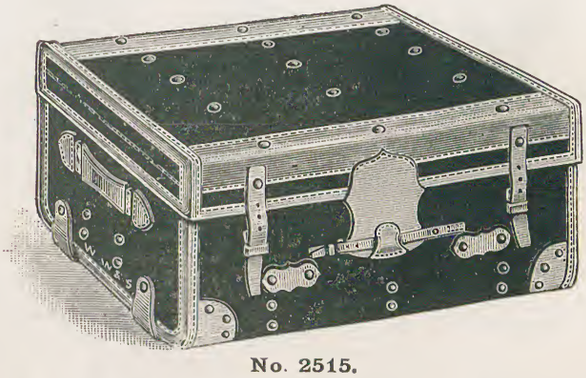
No. 2513.

Close Wicker throughout. Eight leather corners, hide bound and with sliding leather handles. Rollers on bottom. Brass hasp and staples. Covered twill canvas.

24	27	30	33	36	inches long.

Price 1/3 per inch.

OVERLAND TRUNK.



No. 2515.

Covered Japanned waterproof canvas. With leather back and front band, stout twill canvas, leather corners, hide welted, heavy leather fittings, 20 ins. wide by 13 ins. deep outside.

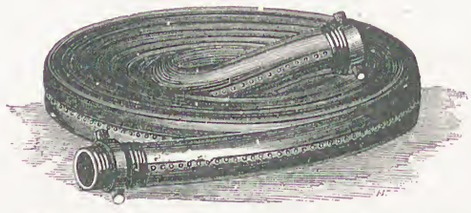
Made in lengths ..	27	30	33	36	inches long.
Price			**1/4** per inch.		

FIRE HOSE, &c.

No. 2516. Canvas.

Sizes ¾ 1 1¼ 1½ 1¾ inches.
6½d. 7d. 9d. 10½d. 1/- per yard.

Sizes 2 2¼ 2½ 2¾ 3 3½ inches.
1/2 1/4 1/6 1/7 1/9 2/- per yard.



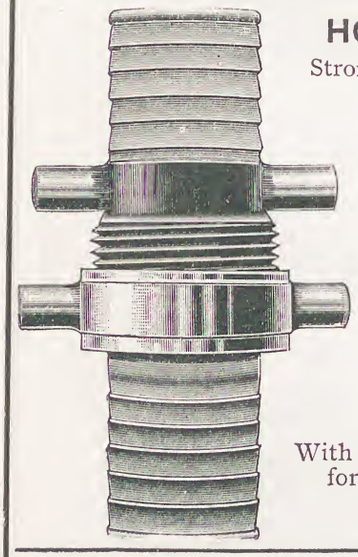
No. 2517. Leather.
Copper Rivetted Delivery.

To stand a pressure of from 80 to 100 lb. per square inch.

1 1½ 1¾ 2 2¼ 2½ 2¾ 3 inches.
1/6 1/10 2/2 2/4 2/6 2/10 3/3 3/6 per ft.

CELEBRATED "ROB ROY" BRAND CANVAS HOSE.

	Internal diameter	⅝	¾	1	1¼	1½	1¾	2	2¼	2⅜	2½	2¾	3 inches.
No. 2518.	Canvas Hose	—	**8½d.**	**10d.**	**11d.**	**1/-**	**1/1**	**1/2**	**1/3**	—	**1/4**	**1/6**	**1/7** per foot
No. 2519.	Rubber-lined Canvas Hose ..	**1/3**	**1/4**	**1/7**	—	**2/-**	—	**2/5**	**2/8**	**2/9**	**2/10**	**3/1**	**3/5** ,,



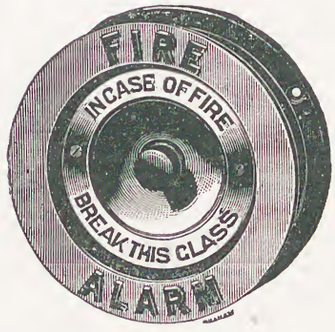
HOSE UNION.

Strong Gun-metal, with Lugs.

No. 2520.

Inside Measure.	For Hose.	PRICE.
1 in.	1¼ in.	**5/-**
1¼ ,,	1½ ,,	**8/-**
1½ ,,	1¾ ,,	**9/-**
1¾ ,,	2 ,,	**11/-**
2 ,,	2¼ ,,	**12/-**
2¼ ,,	2½ ,,	**13/-**
2½ ,,	3 ,,	**22/-**

No. 2521.
With New Brigade Gauge for 2½ in. Bore Hose.
19/- each.

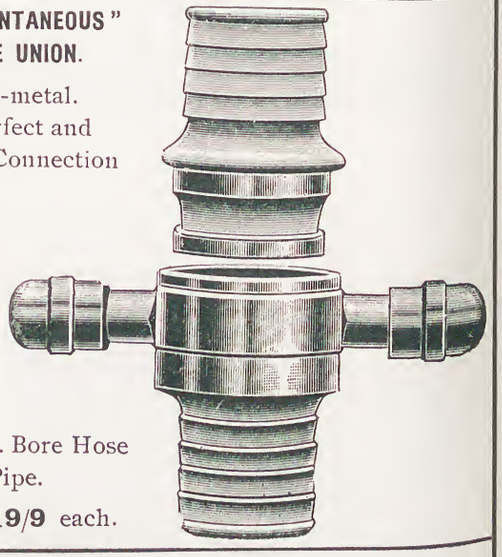


No. 5320.
Public Fire Alarm in Cast Iron Wall Box, either Automatic or with Press.
53/- each.

"INSTANTANEOUS" HOSE UNION.

Gun-metal.
A Perfect and Secure Connection

No. 2522.

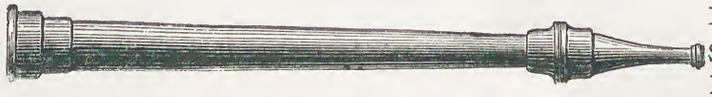


For 2½in. Bore Hose Pipe.
Price 19/9 each.

STRONG COPPER FIRE BRANCH PIPES.

No. 2523.

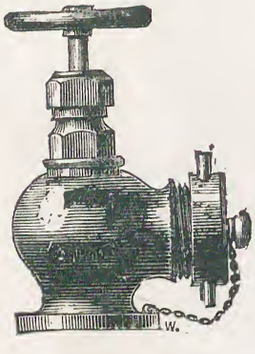
Polished Copper, with Gun-metal Jets, and Screwed Metropolitan Fire Brigade V Thread.



Length	15	15	16	21	24 ins.
Size of Hose	1¼	1½	1¾	2	2½ ,,
Price ..	**11/6**	**13/-**	**15/-**	**20/-**	**25/-** ea.

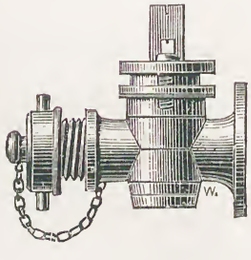
No. 2528. Ditto, Screwed New Brigade Round Thread .. .. Size 2½ ins. **30/-** each.

FIRE COCKS.



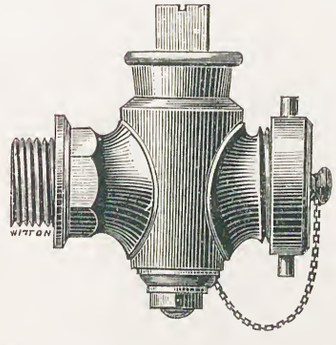
No. 2524.
Strong Gun-metal Globe Valve, fitted with Blank Cap and Chain.

Size.	With Flanges.	Screwed for Iron Pipe.
1 in.	**19/-**	**17/-** each.
1¼ ,,	**24/-**	**20/-** ,,
1½ ,,	**32/-**	**27/-** ,,
2 ,,	**45/-**	**38/-** ,,
2½ ,,	**72/-**	**64/-** ,,



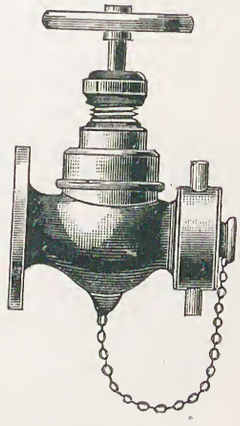
No. 2525.
Gun-metal Roundway Gland Fire Cock, with Blank Cap and Chain.

Size.	With Flanges.	Screwed for Iron Pipe.
1¼ in.	**27/-**	**23/-** each.
1½ ,,	**37/-**	**31/-** ,,
2 ,,	**52/-**	**44/-** ,,
2½ ,,	**90/-**	**80/-** ,,



No. 2526.
Strong Gun-metal Full-way Fire Cock, fitted with Blank Cap and Chain.

Size.	With Flanges.	Screwed for Iron Pipe.
1¼ in.	**21/-**	**17/-** ,,
1½ ,,	**32/-**	**26/-** ,,
2 ,,	**44/-**	**36/-** ,,
2½ ,,	**80/-**	**70/-** ,,



No. 2527.
Strong Gun-metal Globe Valve, fitted with Blank Cap and Chain.

Size.	With Flanges.	Screwed for Iron Pipe.
1 in.	**17/-**	**15/-** each.
1¼ ,,	**22/-**	**18/-** ,,
1½ ,,	**30/-**	**25/-** ,,
2 ,,	**42/-**	**35/-** ,,
2½ ,,	**68/-**	**60/-** ,,

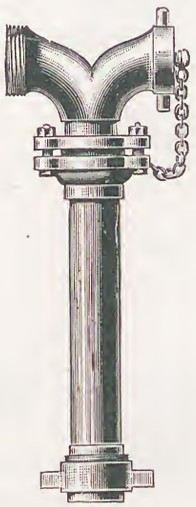
STANDPIPES, HYDRANTS, Etc.



No 2528.

Strong Bright Copper with Single Outlets, Polished Gun-metal Swivel Heads with Blank Caps & Chains, Screwed Brigade Thread V or New Brigade Round Thread. 3 ft. high.

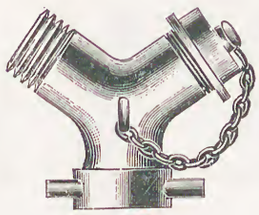
Diameter, 2½ 2½ 3 in.
Outlet .. 2 2½ 2½ in.
Price, 60/- 66/- 85/- each.



No. 2529.

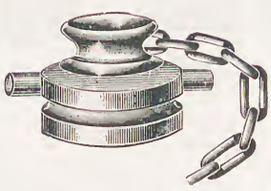
Short Pattern, with Double Swivel Outlets & Bayonet Joints. 2 ft. high.

Diameter, 2½ 2½ 3 in.
Outlet .. 2 2½ 2½ in
Price, 90/6 94/6 106/6 each.



No. 2530.

Heavy Gun Metal Double Distributing Connecting Screw. 2¼ in. 2½ in.
Price, 36/- 40/- each.



No. 2531.

Gun-metal Cap & Lining for Fire Hydrant, Screwed Brigade Gauge.

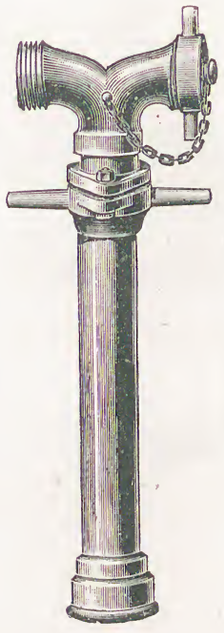
1¼ 1½ 2 in.
Price, 4/6 6/- 8/- each.



No. 2532.

Strong Bright Copper with Double Outlets, Gun-metal fixed Heads, Screwed Brigade V Thread or New Brigade Round Thread. 3 ft high.

Diameter, 2½ 2½ 3 in.
Outlet .. 2 2½ 2½ in.
Price, 64/- 68/- 88/- each.

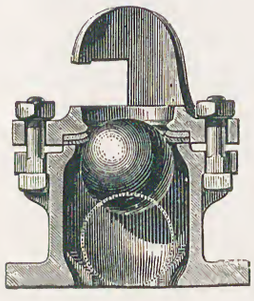


No. 2533.

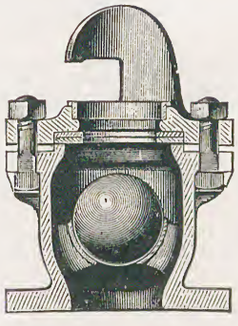
As No. 2532, with Double Swivel Outlets. 3 ft. high.

Diameter, 2½ 2½ 3 in.
Outlet .. 2 2½ 2½ in.
Price, 74/- 80/- 100/- each.

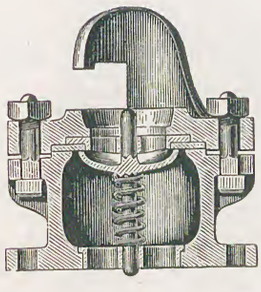
FIRE HYDRANTS.



No. 2534.



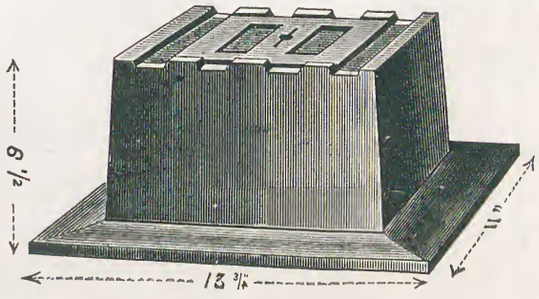
No. 2537.



No. 2539.

No. 2534. Ball Hydrant, with Cap, Small size, Ball 2½ in. diameter .. **11/-** each.
,, **2535.** Do., Ordinary size, Ball 3½ in. diameter .. .. **13/-** ,,
,, **2536.** Do , 3 in. Outlet, Ball 3⅞ in. diameter .. .. **18/-** ,,
,, **2537.** Do., With Rest for Ball, Ordinary size, Ball 3 in. diam. **17/-** ,,
,, **2538.** Do., do., Large size, Ball 3⅞ in. diam. **21/6** ,,
,, **2539.** Spring Hydrant, Ordinary size .. .. **21/6** ,,
,, **2540.** Do., 3 in. .. .. **28/-** ,,

HYDRANT COVER.



No. 2541.

9¼ × 6½ over top. 7½ × 4½ inside.
Depth 6½ in. Weight 1 qr. 25 lb.
Price .. 16/3 each.

No. 2542.

Keys .. .. **1/-** each extra.

FIRE BRIGADE EQUIPMENTS.



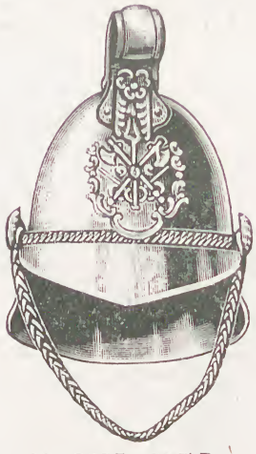
No. **2550.**—Helmet.



No. **2556.**—Helmet.



No. **2553.**—Helmet.



No. **2554.**—M.F.B. Pattern Helmet.



No. **2581.**—Boots.





No. **2572.**—Belt.



No. **2572.**—Axe Case.



No. **2561.**—Epaulettes.



No. **2574.**—Fireman's Axe.



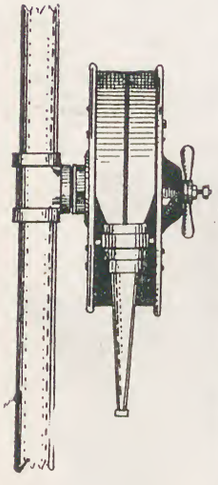
No. **2570.**—Fireman's Cap.



No. **2568.**—Officer's Cap.

FOR PRICES OF ABOVE SEE PAGE 782.

THE CLIFF SAFETY AUTOMATIC FIRE HOSE REEL (Patent).



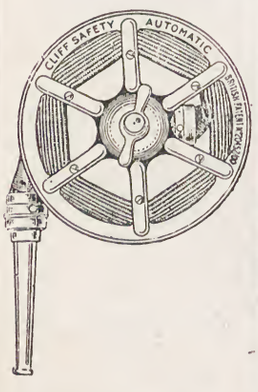


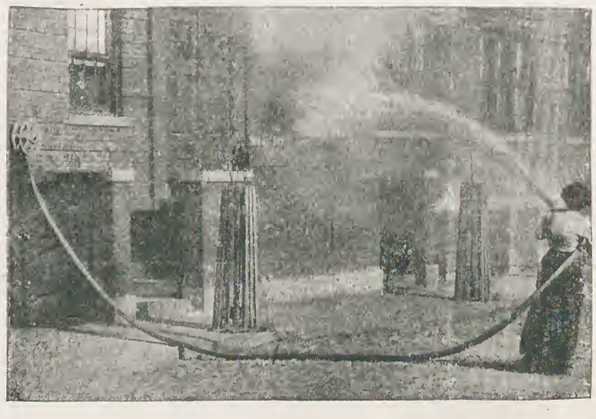
This device, with good quality of Hose, affords the best protection against damage by fire that can possibly be obtained. It has the following points of superiority over all other devices for the same purpose.

FIRST.—It is positively automatic. A full supply of water may be obtained through fifty feet of Hose on one of these Reels in eight seconds, and through one hundred feet of Hose in thirteen seconds.

SECOND.—It is the only Automatic Fire Hose Reel ever made that is absolutely safe. It cannot be set off accidentally. All the Hose has to be unwound before water can enter Hose, and it requires a continuous pull to unwind the Hose.

THIRD.—It is so simple in construction and operation that no previous instruction is required to operate it quickly and effectively. The unwinding of the Hose in any desired direction opens the Valve gradually after twenty feet of Hose has been unwound, and turns on water supply.





Size of Hose Reel.	Price of Reel.	Unlined Canvas Hose and Adjustable Mouth-Piece. Size.	Price.
For 25 to 50 ft. Hose, 1½ in.	£8 5 6	50 ft. 1½ in.	£2 3 0
,, ,, ,, ,, 2 ,,	9 7 6	,, 2 ,,	2 12 0
,, ,, ,, ,, 2½ ,,	12 0 0	,, 2½ ,,	2 18 6
For 75 to 100 ft. Hose, 1½ in.	8 5 6	100 ft. 1½ in.	3 12 0
,, ,, ,, ,, 2 ,,	9 13 9	,, 2 ,,	4 7 0
,, ,, ,, ,, 2½ ,,	12 17 6	,, 2½ ,,	5 1 6

The price of Rubber-lined Hose is 2½ times the cost of Canvas Hose.

Nozzles, Couplings and Hose quoted for separately on receipt of enquiry.

FIRE BRIGADE EQUIPMENTS.

No.			
2543.	Silver-plated Helmet with Dragon Crest and Cross Axe and Shield front-plate	each.	88/-
2544.	Nickel-plated ,, ,, ,, ,, ,, ,,	,,	64/-
2545.	White Metal ,, ,, ,, ,, ,, ,,	,,	40/-
2546.	Brass ,, ,, ,, ,, ,, ,,	,,	28/9
2547.	Leather Helmet, Manchester Pattern, with Nickel-plated Mounts	.	29/6
2548.	,, ,, ,, German Silver do.	,	23/6
2549.	,, ,, ,, Brass do.	,,	22/-
2550.	,, Prussian ,, Nickel-plated do.	,,	23/6
2551.	,, ,, ,, German Silver do.	,,	19/3
2552.	,, ,, ,, Brass do.	,,	18/3
2553.	,, ,, ,, Nickel-plated do., Dragon Crest and Chin Chain	,,	51/-
2554.	,, ,, ,, German Silver do. ,, ,,	,,	33/6
2555.	,, ,, ,, Brass do. ,, ,,	,,	28/-
2556.	,, Cross Axe Pattern, Nickel-plated Mounts	,,	23/6
2557.	,, ,, ,, German Silver do.	,,	19/3
2558.	,, ,, ,, Brass do.	,,	18/3
2559.	,, Salvage Corps with Brass Mounts	,	30/-
2560.	Silver-plated Epaulettes	per pair.	36/9
2561.	Nickel-plated do.	,,	29/6
2562.	White Metal do.	,,	21/6
2563.	Brass do.	,,	16/9
2564.	Silver-plated Scales	,,	18/3
2565.	Nickel-plated do.	,,	15/3
2566.	White Metal do.	,,	10/6
2567.	Brass Scales	,,	8/9
2568.	Officer's Cap	from	14/6
2569.	Engineer's Cap	,,	9/6
2570.	Fireman's Cap	,,	4/9
2571.	Officer's Black Patent Belt with Axe Case and Plated Fittings		19/3
2572.	Men's Black Bridle Belt with Axe Case, Brass Fittings		11/3
2573.	Officer's Ebony Handle Axe, Nickel-plated Blade		20/-
2574.	Men's Ash Handle Axe, Steel Blade		7/3
2575.	Officer's Nickel-plated Hose and Nozzle Wrench		6/6
2576.	Men's Steel Hose and Nozzle Wrench		4/-
2577.	Black Patent Case for do.		4/-
2578.	Black Bridle Case for do.		3/3
2579.	Officer's Life Lines with Nickel-plated Swivel, &c.		4/-
2580.	Men's Life Lines with Brass do.		2/6
2581.	Boots, Cowhide, Hand Sewn	per pair, from	40/-
2582.	Ivory Whistle, with Plated Lion's Head Chain		21/6
2583.	Horn Whistle with Brass do.		9/6
2584.	Brass Buttons	per dozen, 1/8, gross	11/3
2585.	German Silver Buttons	per dozen, 1/8, gross	14/6
2586.	Silver-plated Buttons	per dozen	2/6
2587.	Gilt Buttons	per dozen	3/3
2588.	Leather Cases for 24 inch Hand Saws	each	17/9
2589.	Head Preventers, as used by M.F.B.	,,	9/-
2590.	Portable Canvas Cistern for Manual Engine	Prices	
2591.	,, ,, for Steam Engine	on application.	
2592.	Pole Chains and Springs, and **No. 2593**, Lever Hooks for Harness Heads supplied or estimated for on receipt of full details of requirements.		

On preceding page are a few drawings of above, but we shall be pleased to quote for any articles other than those shown or priced on receipt of enquiries.

Complete Fire Installations supplied. Prices sent on receipt of particulars.

HAND FIRE EXTINGUISHERS.

HAND GRENADES.



No. 2595. "Imperial" Grenades .. **40/-** per dozen.
„ **2596.** Wire Baskets to hold 2 .. **1/3** each.
„ „ „ 3 .. **1/6** „

No. 2597. "Star" Grenades .. .. **52/-** per dozen.
„ **2598.** Wire Baskets to hold 2 .. **1/-** each.
„ „ „ 3 .. **1/8** „
„ „ „ 6 .. **2/6** „

No. 2599. Spring Brackets for Ships, Yachts, etc., **1/3** each.

SPONG'S HAND FIRE EXTINGUISHER.





No. 2600. Capped with India-rubber.

Each Grenade packed securely in a box.
Can be sprinkled or thrown.
The Chemicals are harmless and will keep good in any climate.

Price—2/9 each. **30/-** per dozen.

No. 2601. Wire Brackets as drawn, **2/-** each.



BEST LEATHER FIRE BUCKET.

No. 2603. Sewn Tops .. .. **21/6** each.
„ **2604.** Ordnance Pattern .. **19/-** „

Painted inside and out, **3/6** each extra.



BEST CANVAS FIRE BUCKET.

No. 2605.

8¾ ins. Diameter.
11 ins. Deep.
3/- each.

"LEWIS" HAND FIRE EXTINGUISHER.



No. 2602. 18 ins. long × 2 ins. diameter.

The Extinguisher is provided with a copper wire loop, by which it should be suspended from a strong staple or nail firmly driven into the wall of the building. In case of fire, take hold of lower end of Extinguisher and snatch it down with a sudden jerk, it is thereby instantly opened, the cap being left hanging on the nail.

6/6 each.

FIRE BUCKET.



No. 4306 Fire Bucket.
10 in. diameter at Top, 12 ins. Deep.
Forged Ears and Round Bails.
Close Riveted Sides and Bottom.
Lettered in Red.
44/- per dozen.

If painted Red and Lettered in Black,
No. 4307. 13/- per dozen extra.

CHEMICAL FIRE EXTINGUISHERS.

Highest Award International Fire Exhibition, London, 1903.

THE "PERFECTION."



are made from heavy solid copper throughout tested and guaranteed to stand a pressure of 300 lb. per square in. Highly polished; they are handsome in appearance, and being the result of many years of practical experience, embody the best features of all modern methods for extinguishing fire. They have no equal for **Simplicity, Effectiveness, Durability, Economy and Safety.**

They afford the cheapest method of protection from fire yet devised, and as there are no Cocks, Gauges, Couplings or Valves about them, it is absolutely impossible for the machine to get out of order. They can be operated instantly by **any person** though they never saw the machine before, *as all you have to do is simply*

Turn the Machine

Upside Down

when you will immediately get a **50** ft. stream of fire destroying chemical fluid, the last drop going as far as the first, and as destructive to flames in oil, tar, spirits, petrol, kerosine or gasoline, as in burning wood and equal to over **100** times the same amount of water in quenching fire.

3 gallon size **£2 16 0**
5 „ **4 4 0**

Re-charges, **6**d. each.

"ROYAL" FIRE EXTINGUISHER.



No. 2606.

The most practical Efficient and up-to-date Hand Chemical Fire Appliance invented. Tested and approved by the Leading Experts.

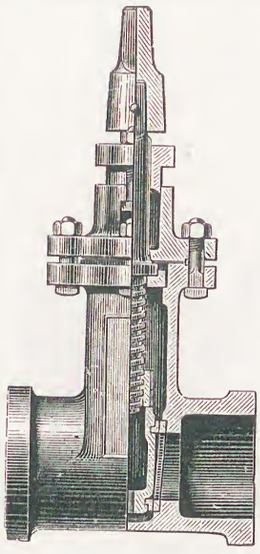
No. 1 size, holding about 2 gallons, **£3 10**s. each.

No. 2 size, holding about 3 gallons, **£3 16**s. **9**d. each.

Simple in construction.

Effective in operation.

Full Particulars sent on application.

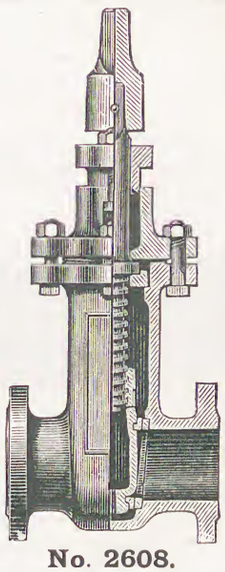


No. 2607.

SLUICE VALVE.

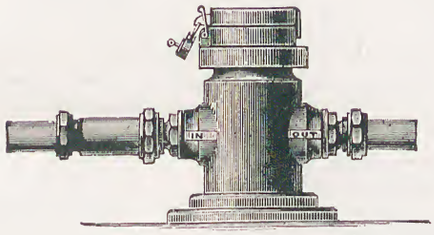
With Bodies all cast in one piece, two Gun-metal Facings to Body, and two to Door. Gun-metal Screw and Nut.

Sizes	2	2½	3	4	5	6	7	8	9	10	12 inches.
Prices either pattern	**34/6**	**44/6**	**49/6**	**66/-**	**83/-**	**90/-**	**116/-**	**148/-**	**165/-**	**198/-**	**255/-** ea.

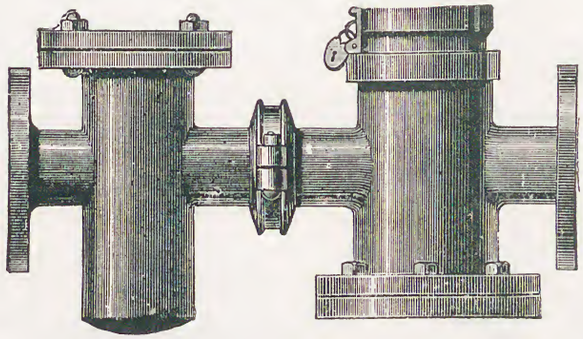


No. 2608.
Flanges.

SIEMEN'S WATER METERS.



Small Sizes. From ⅜ to 1½ inches.
With Brass Filters and Unions.
Tinned for Lead Pipe or screwed for Iron Tube.



Large Sizes From 1½ to 12 inches.
Coupled to Cast Iron Dirt Boxes, fitted with Copper Strainers to prevent any foreign substance passing through Meter.
Flanged ends for connecting to Cast Iron Pipes.

PRINCIPAL DIMENSIONS OF METERS.

Height over all, inches	6½	7¼	8⅛	9	9¾	10	13½	14⅜	15½	16¼	17¾	20	23	26¾	30½
Length over Faces of Meter and Dirt-Box Flanges, in inches	—	—	—	17	17⅜	17⅞	22½	23¼	24½	28¼	36	31½	40½	47½	65
Diameter of Inlet and Outlet Flanges, in inches	—	—	—	5	5¼	5⅝	8	8	8½	9⅝	9	11	13½	16	18

PRICES OF METERS AND ACCESSORIES.

Size of Meter, i.e., Diameter of Inlet and Outlet, in inches	⅜	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12	
Gallons delivered per hour at an effective pressure of 50 feet	150	300	600	1,500	2,200	3,000	4,000	6,000	8,300	13,400	18,500	27,000	45,000	70,000	90,000	
Ditto, at a pressure of 150 feet	250	500	1,000	2,500	3,800	5,030	7,000	10,000	14,000	23,000	32,000	46,000	77,000	120,000	154,000	
No. **2609.**—**Price**, each with Brass Filters and Unions tinned for lead pipe, or screwed for iron tube	**52/-**	**56/6**	**72/9**	**90/-**	**116/-**	**136/-**	—	—	—	—	—	—	—	—	—	each
No. **2610.**—**Price**, each with Flange ends for connecting to cast-iron pipe, including Dirt-Box with Copper Strainer	—	—	—	**96/6**	**122/6**	**142/6**	**189/-**	**240/-**	**289/-**	**386/-**	**520/-**	**653/-**	**960/-**	**1266/-**	**1733/-**	,,
No. **2611.**—Meter Cover for preventing damage to dial, and keeping Meter clean	**2/-**	**2/-**	**2/-**	**2/9**	**3/-**	**3/-**	—	—	—	—	—	—	—	—	—	,,
No. **2612.**—Dial Cover, for protecting Dial only	**1/-**	**1/-**	**1/-**	**1/3**	**1/3**	**1/3**	**3/-**	**3/-**	**3/-**	**3/-**	**3/-**	**4/-**	**4/-**	**4/-**	**4/-**	,,
No. **2613.**—Street Case, of such dimensions as admit of the Meter being taken out without disturbing the road	**30/-**	**30/-**	**30/-**	**33/6**	**33/6**	**33/6**	**42/6**	**42/6**	**42/6**	**42/6**	**53/6**	**53/6**	**85/6**	**120/-**	**186/-**	,,
No. **2614.**—Extra, with Special Flange Pieces, Screwed Female for wrought iron pipe, bolted to meter and Dirt Box	**—**	**—**	**—**	**5/3**	**5/9**	**6/-**	**9/3**	**11/-**	**12/6**	**16/-**	—	—	—	—	—	,,
No. **2615.**—Spigot and Socket, with Bolts Nuts and Joint Washers to connect to Meter and Dirt-Box	—	—	—	**4/9**	**5/-**	**5/9**	**8/-**	**8/9**	**10/3**	**12/9**	**15/3**	**19/3**	**32/9**	**48/9**	**66/9**	,,
Annual charge of guarantee of Meters	**5/3**	**7/-**	**9/-**	**10/9**	**14/3**	**16/-**	**21/3**	**26/9**	**32/-**	**41/-**	**53/3**	**62/9**	**89/6**	**120/-**	**160/-**	,,

Kent's "Standard" Meters or any other well-known make supplied on receipt of particulars.

40 and 41, UPPER THAMES STREET, LONDON, E.C.

STAMPED STEEL ENAMELLED HOLLOW-WARE.

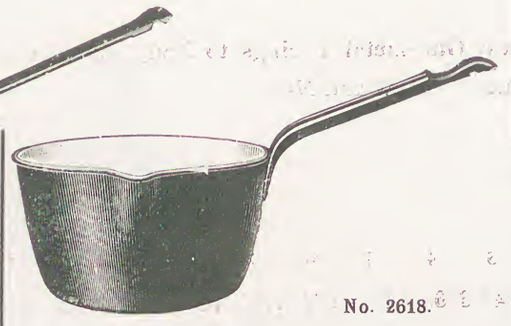
STEWPAN.



No. 2616.

Sizes, 4 5 5½ 6¾ 7 8 9 inch.
8/- 9/- 14/6 16/6 21/- 26/- 36/- doz.
No. **2617.** Best Quality, Deeper.
– 14/6 17/6 20/6 26/- 30/- 40/- doz.

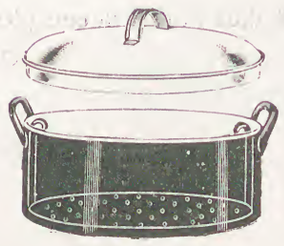
SAUCEPAN, LIPPED.



No. 2618.

Sizes, 4 4½ 5½ 6½ 7 8 inch
Open ... 6/- 7/6 10/- 12/6 16/6 18/6 dozen.
With Covers 10/- 11/6 16/- 18/- 24/- 27/- „

OVAL FISH KETTLE.



No. 2619.

Sizes, 13 15 17 19 inch.
9/- 11/- 13/6 15/6 each.

KETTLE.



No. 2620.

2 3 4 6 8 10 Pint.
31/6 36/- 42/- 52/- 60/- 75/- doz.

ROUND WASH BASIN.



No. 2621.

10 11 12 13 14 15 16 18 inch.
8/- 10/6 11/6 14/- 17/6 20/- 24/- 33/- doz.

DEEP BOWL.



No. 2622.

Sizes, 12 13 14 15 16
20/- 22/- 28/- 30/- 32/- doz.

PUDDING BASIN.



No. 2623.

Sizes, 4 5 5¼ 6½ 7 8 inch.
8/6 10/6 12/- 14/- 17/- 21/- doz.

CULLENDER, DEEP.

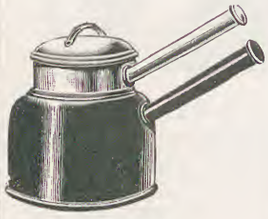


No. 2624.

Sizes, 8 9 10 11 12 inch.
20/- 23/- 28/- 33/- 48/- doz.

DOUBLE MILK SAUCEPAN.

Bellied, with Inside Pan.



No. 2625.

1 2 3 4 pint.
4/- 5/- 5/6 7/- each.

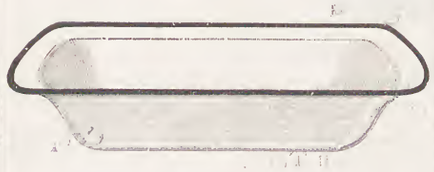
PLATES.



No. 2626.

Sizes ..	6	7	8	9	9½	10¼	
Dinner..	4/-	4/6	5/-	6/-	7/-	8/6	doz.
Soup ..	4/-	4/6	5/-	6/-	7/-	8/6	„

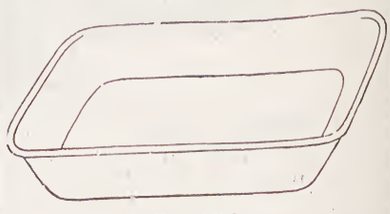
PIE DISHES.



No. 2627.

Sizes, 8 9 10 11 12 13 15 inch.
8/- 9/- 10/6 12/6 16/- 18/- 30/- doz.

BAKING PAN, OBLONG.



No. 2628.

Sizes, 10 11 12 13 14 15 16 inch.
16/- 18/6 20/6 24/- 30/- 37/6 42/- doz.

EGG CUP.



No. 2629.

6/6 dozen.

CUP AND SAUCER.



No. 2630.

Tea. Coffee.
11/- 14/- doz.

FEEDING CUP, WITH SPOUT AND SIDE HANDLE.



No. 2631.

24/- dozen.

SALT CELLAR.



No. 2632.

6/- dozen.

MUSTARD POT.



No. 2633.

13/- dozen.

PEPPER BOX.

SEAMLESS.



No. 2634.

9/- dozen.

FLOUR DREDGER.

SEAMLESS.



No. 2635.

12/- dozen.

JUG.



No. 2636.

1½ 2½ 3½ 4½ 6 pint
16/- 22/- 26/- 30/- 48/- doz.

MUG.



No. 2637.

½ ¾ 1 1½ pint.
5/6 6/- 7/- 8/6 doz.

HOT WATER JUG.



No. 2638.

1 2 3 4½ pint.
2/9 3/6 3/9 5/- each.

TEAPOT,

Brown Outside.



No. 2639.

1½ 2½ 3½ pint.
3/6 3/10 4/9 each.

JUG (TABLE).

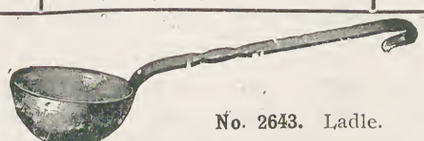


No. 2640.

1 2 3 4½ pint.
16/6 20/- 30/- 40/- dozen.



No. 2641. Soup Spoon ... ... 6/- doz.
No. 2642. Basting Spoon, 14 in. 8/- „



No. 2643. Ladle.

Sizes ... 3 3½ 4 4½ inch.
6/6 7/- 7/6 9/- dozen.



No. 2644. Fish Slice.
9/6 dozen.

ENAMELLED HOLLOW-WARE.

WHEN ORDERING, PLEASE STATE WHETHER ALL WHITE OR BLUE AND WHITE IS REQUIRED.

HOUSEWIFE'S BOX.



No. 2645.

2 lb., Assorted Names.
Rice, Sugar, Coffee, Sago, Biscuits, Tea, &c.

3/- each.

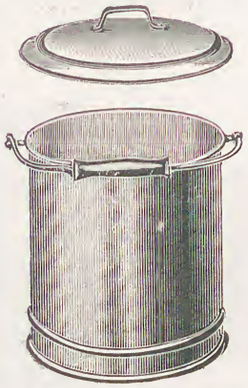
BREAD CROCK.



No. 2646.

10	11	12	13	14 in.
8/-	**9**/-	**10/6**	**12/6**	**15**/- ea.

MILKING PAIL.



No. 2647.—Strong.

2	3	4	5	6 gall.
7/-	**8/4**	**9**/-	**10**/-	**11**/- each.

FOOT TUB, OVAL.



No. 2648.

Sizes 16	18	21	24 in.
4/4	**5/6**	**7/6**	**10/6** each.

BEDPAN.



No. 2649.

Childs.	Full size.
5/6	**7**/- each.
Covers **1/9**	**2**/- each extra.

URINE BOTTLE.



No. 2650.

Male, as drawn.	Female.
3/6	**5**/- each.

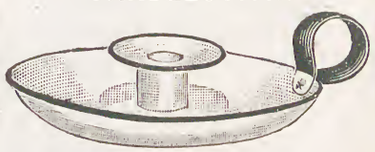
SPITTOON.



No. 2651.—With Cover.

8	9 ins. diam.
20/-	**24**/- doz.

CANDLESTICK.



No. 2652.
6 ins. diam.
8/- doz.

SOAP DISH.



No. 2653.
$4\frac{3}{4}$ ins. diam.
6/6 doz.

SOAP DISH.



No. 2654.
5 × 4 ins.
8/6 doz.

SPONGE BOWL.



No. 2655.

6	8 ins. diam.
24/-	**30**/- doz.

HAND SPITTOON.



No. 2656.
One pint.
24/- doz.

FUNNEL.



No. 2657.

3	4	5	6	7	8 ins.
7/6	**9**/-	**12**/-	**16**/-	**24**/-	**36**/- doz.

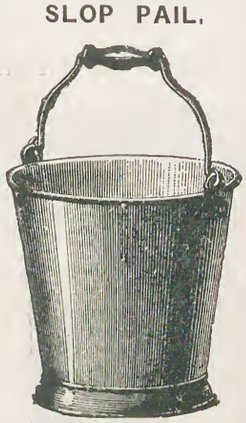
WATER PITCHER.



No. 2658.

4	6	8	10	12 pints.
36/-	**45**/-	**57**/-	**68**/-	**80**/- doz.

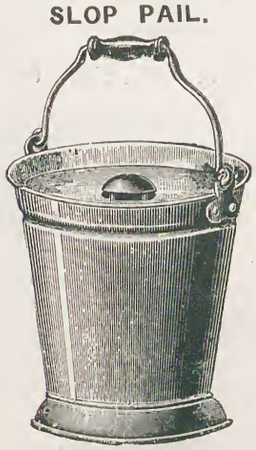
SLOP PAIL.



No. 2659.

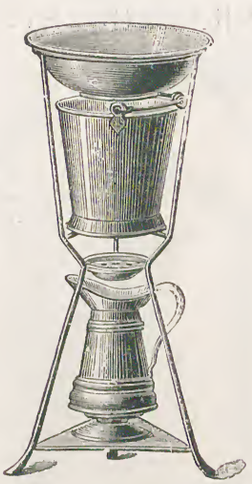
$9\frac{1}{4}$	10	11	12 in.
4/-	**4/6**	**5**/-	**6**/- each.

SLOP PAIL.



No. 2660.
11 in.
6/6 each.

WASH SET.



No. 2664.

Wash Set, complete with Stand, Hand Basin, Pail, Soap Tray, and Water Jug, **15/6** per set.

No. 2664a.—Cheaper Wash Set, without Pail, **10/6** per set.

No. 2664b.—Best White Enamelled, Basin fitted with Brass Plug and Chain, **24**/- per set.

EWER.



No. 2661.

3	$4\frac{1}{2}$	6	8	12 pint.
25/-	**30**/-	**40**/-	**50**/-	**60**/- doz.

HOT WATER CAN.



No. 2662.

3	4	6	8 pint.
4/6	**5**/-	**6**/-	**8**/- each.

CHAMBER.

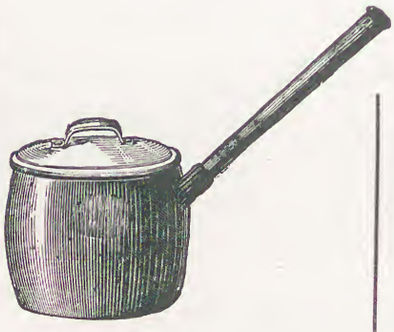


No. 2663.

7	8	$8\frac{3}{4}$	$9\frac{1}{2}$ in.
13/6	**16**/-	**18**/-	**22**/- doz.

HOLLOW WARE.

BELLIED SAUCEPAN.



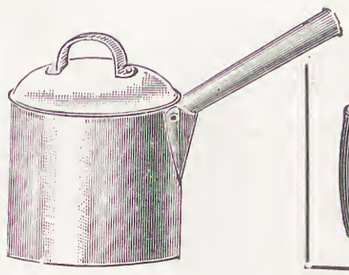
No. 2665. C. I. Tinned.

Sizes	1	1½	2	3	4	6	8 pint.
Price	1/2	1/4	1/7	1/11	2/2	2/8	3/1 each.

Sizes	10	12	16 pint.
Price	3/6	4/1	4/7 each.

Including Bright Cover.

SAUCEPAN & COVER.

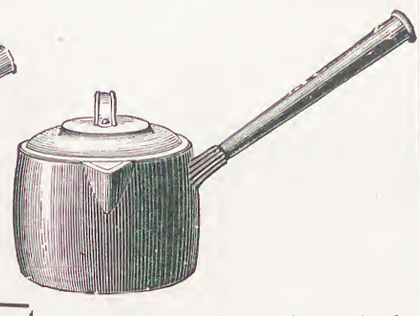


No. 2666. Tin.

Sizes	1	2	3	4	6	8 pint.
Price	1/2	1/4	1/7	2/-	2/9	3/6 each.

6	8	10 quart.
4/-	5/-	6/6 each.

BELLIED SAUCEPAN, WITH LIP.



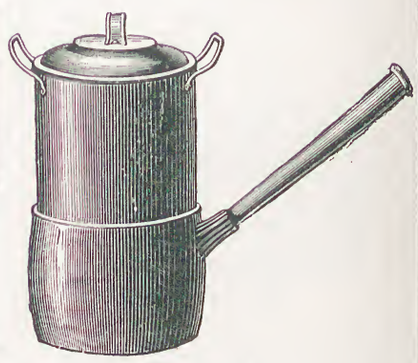
No. 2667. C. I. Enamelled.

Sizes	1	1½	2	3	4	6 pint.
Price	1/6	1/9	2/1	2/4	2/8	3/4 each

Sizes	8	10	12	16 pint.
Price	3/11	4/5	4/11	5/9 each.

Including Bright Lipped Cover.

POTATO STEAMER.



No. 2668.

Bright Tin, for Saucepans.

Sizes,	3	4	6	8	10	12	14 pint.
Price	1/4	1/5	1/7	1/8	1/9	2/-	2/3 each.

OVAL BELLIED POT.



No. 2669.

C. I. Tinned, with Circular Bow Handles.

Sizes	1	1½	2	2½	3	4	4½ gallon
Price	3/-	4/-	4/9	5/9	6/3	7/6	8/3 each.

Sizes	5	6	7	8	10	12	14 gallon.
Price	9/-	10/6	11/6	12/6	14/6	18/-	21/- each.

Including Bright Cover.

PRESERVING PAN.



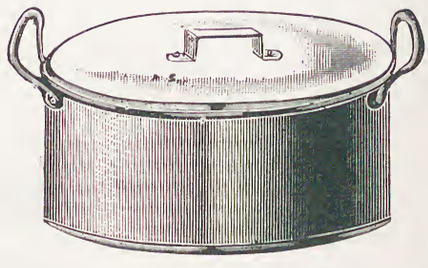
No. 2670. C. I. Enamelled.

Diameter	10	11	12	13	14	16	18	20 in.
Depth ..	4¼	4½	4¾	4¾	5	5¼	5½	6¼ in.
Price ..	6/-	6/6	6/9	7/3	8/9	11/6	14/-	16/9 each.

No. 2671. Copper.

Diameter	12	13	14	15	16	18	20 in.
Price ..	23/-	27/-	30/6	35/-	45/6	54/6	78/- each.

FISH KETTLE.



No. 2672. Strong Tin, with Stamped Burnished Covers, in one piece.

End Handles or Bail.

Sizes ..	13	15	17	18	20	22 in.
Price ..	5/-	6/9	8/6	10/9	12/9	17/- each.

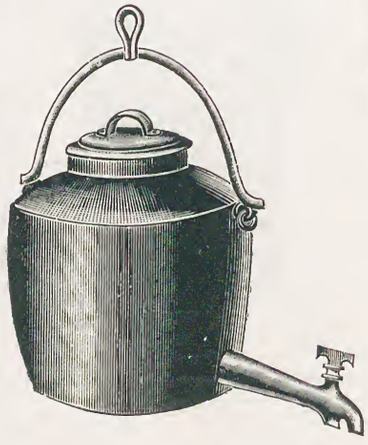
MILK BUCKET.



No. 2673. Block Tin.

		Open.	Covered.
1 Gallon	..	4/-	4/6 each.
1½ ,,	..	4/3	4/9 ,,
2 ,,	..	4/6	5/6 ,,
2½ ,,	..	5/-	6/- ,,
3 ,,	..	5/9	7/6 ,,
4 ,,	..	6/3	8/3 ,,
5 ,,	..	8/3	9/6 ,,
6 ,,	..	9/3	11/6 ,,

TEA KITCHEN.



No. 2674. With Tap.

Wrought Iron.

2	2½	3	3½	4	5	6 gallon.
11/-	12/3	13/6	16/3	18/-	20/9	23/6 each

Can also be supplied in Cast Iron Tinned.

COFFEE BOILER.



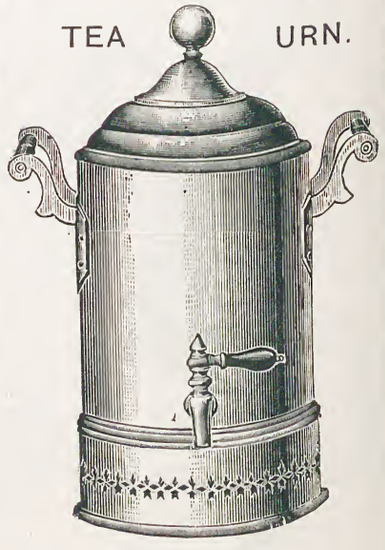
No. 2675. Tin, Strong.

Inside Strainers and Ring.

4	6 quart.	2	3 gallon.
8/3	10/9	12/-	15/- each.

4	6	8 gallon.
18/-	21/9	26/6 each.

TEA URN.



No. 2676.

Strong Block Tin Tea Urn, with Loose Feet, N.P. Tap.

6	8	10	12	14	16 quart
21/6	23/9	26 -	28/3	30/6	33/- each

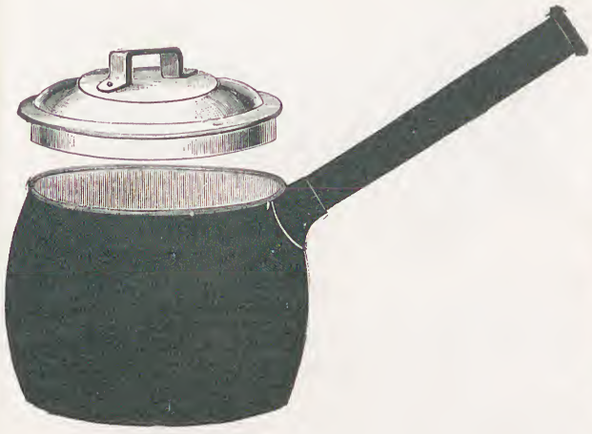
Tea and Coffee Urns of all designs and sizes supplied in Tin or Copper.

HEAVY QUALITY WROUGHT STEEL SEAMLESS ENAMELLED SAUCEPANS,

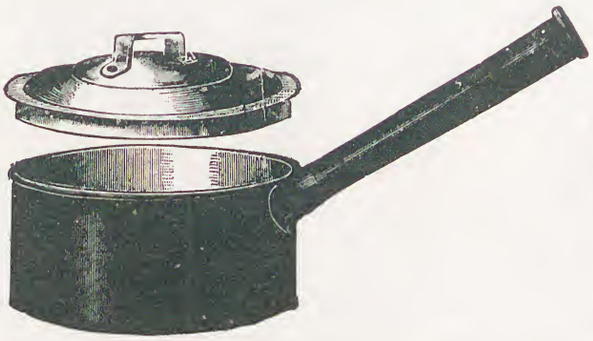
With Bright Tinned Seamless Covers—Beaded Rims.

SUPERIOR ENAMELLING

Absolutely free from all deleterious ingredients.



No. 2677. Saucepan.



No. 2678. Stewpan.



No. 2679. Kettle, Round.



No. 2680. Frypan.



No. 2681. Oval Pot.

ENAMELLED BRIGHT BLACK OUT, WHITE IN.

	Capacity	2	3	4	5	6	7	8	9	10	12	14	16	20	24 Pint.
No 2677.	Saucepan	1/9	2/2	2/6	2/8	3/-	3/3	3/6	3/9	4/-	4/6	4/9	5/-	5/6	6/3 each.
,, **2678.**	Stewpan	1/6	2/-	2/6	3/-	3/6	4/-	4/3	4/6	4/9	6/-	6/9	8/-	—	— ,,
,, **2679.**	Kettles, round	1/8	1/9	1/10	2/-	2/2	2/6	2/9	3/-	3/3	3/9	—	—	—	— ,,

No. 2680. Frypan.

Sizes	9	9⅝	10¼	10⅝	11⅜	11¾ ins. diam. at Top.
Price	**20/6**	**21/9**	**23/-**	**26/6**	**28/-**	**29/9** per dozen.

No. 2681. Oval Pot.

Sizes	..	..	..	2	2½	3 Gallon.
Price				**6/6**	**7/3**	**7/9** each.

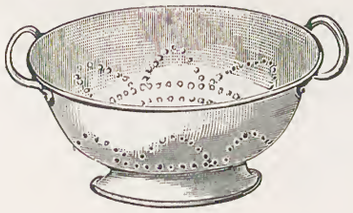
No. 2678a. COPPER STEW PANS.

Prices, best quality 2 **11/9** 3 **13/9** 4 **15/-** 5 **16/9** 6 **19/-** 7 **22/-** 10 Pint. **27/6** each

No 2678b. ALUMINIUM STEW PAN.

Polished inside and out, with covers 2½ **4/9** 5 **7/-** 10 **9/9** 17 Pint. **13/6** each

BRIGHT TINNED CULLENDER.

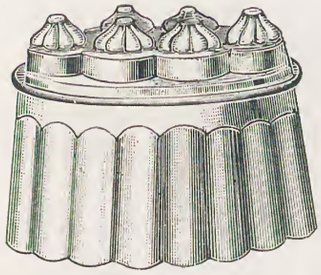


No. 2682.

Strong Stamped. Without Seam.

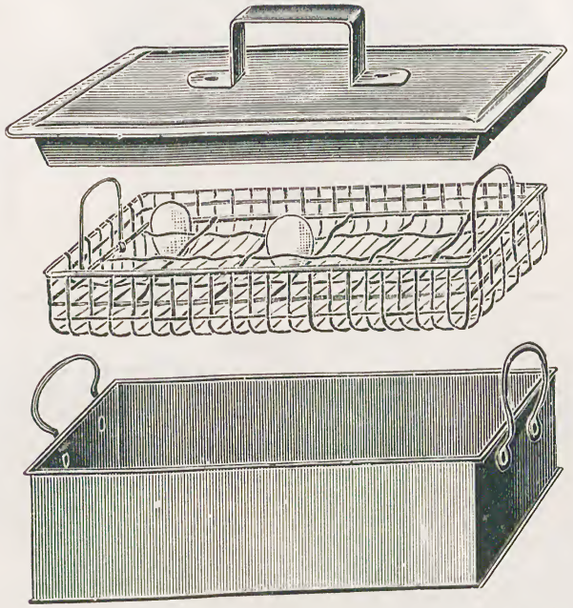
9½	10½	11½	12½ inches.
28/6	**30/9**	**33/-**	**35/-** doz.

JELLY MOULDS.



No. 2683. Jelly Mould.
Tinned Body, Copper Tops, Oval.
1 pint **26/-** per doz.
Large variety of patterns can be supplied.

EGG BOILER.

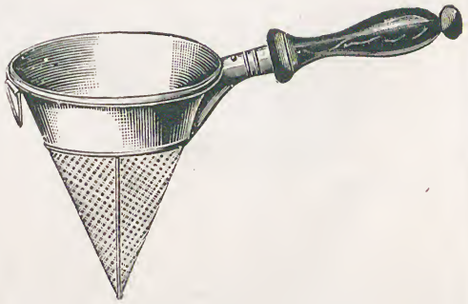


No. 2684. Egg Boiler. Block Tin.

12 Egg Size.	24 Egg Size.
8/6 each.	**10/6** each.

As supplied by us for use in Workhouses, Hospitals, Asylums, &c.

GRAVY STRAINERS.



No. 2685. Gravy Strainer.
Block Tin.

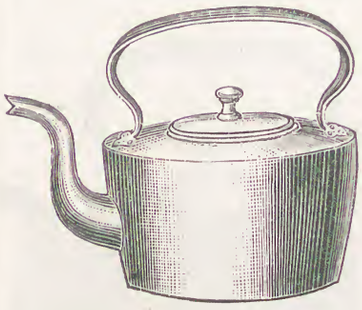
4	4¾	5¾	6¾ ins.
17/6	**20/-**	**23/3**	**28/6** doz.



No. 2686. Gravy Strainer.
Hand-made Block Tin.

Nos. 1	2	3	4
14/9	**17/-**	**19/3**	**23/-** per doz.

KETTLES.



No. 2687. Wrought Iron, Wired Tops, Bright Tinned Handles and Covers, Oval.

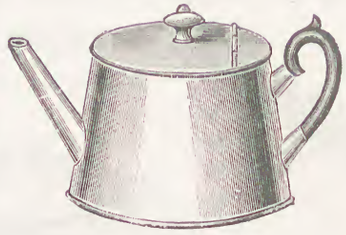
4 6 8 10 12 16 pints.
5/6 6/- 7/- 8/- 9/- 11/- each.



No. 2688. Strong Tin Oval Tea Kettle with Iron Handle and Spout.

2 3 4 6 8 10 12 pints.
3/6 3/9 4/- 4/9 5/6 7/3 8/6 each
With Copper Bottoms from **1/3** to **2/-** extra.

TEAPOTS.



No. 2689. Block Tin.

1 1½ 2 3 4 5 6 pints
13/3 13/9 15/3 19/- 22/6 29/- 35/6

Per dozen.



No. 2690. Block Tin, Oval.

1 1½ 2 3 4 6 pints
2/10 3/- 3/6 4/6 5/3 6/6 3/3 each.

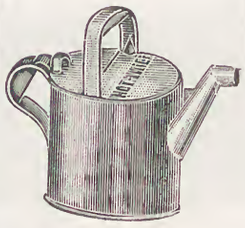
COFFEE POT.



No. 2691. Coffee Pot, Bright Tops, Strong Block Tin, Riveted Spout and Handles.

1 1½ 2 3 4 6 8 pints.
1/9 2/- 2/3 3/- 3/6 5/- 6/3 each

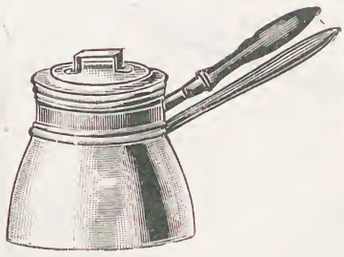
HOT WATER CAN.



No. 2692. Tin Hot Water Can, Japanned Oak or Art Colours. Strong.

3 4 6 Pints.
3/- 3/4 4/3 each.

MILK SAUCEPAN.

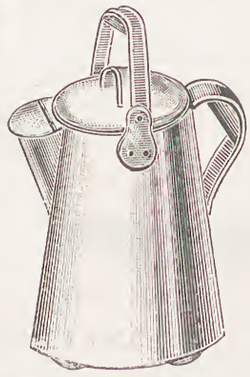


No. 2693. Planished Tin Milk Saucepan, Earthenware Lining.

1½ 2 3 pints.
3/8 4/6 5/- each.

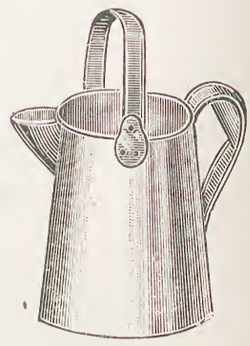
2 3 4 Quarts.
6/9 9/6 13/3 each.

OPEN AND COVERED CANS.



No. 2694. Strong Covered Can, Plain. Tin.

1½ 2 3 4 5 Quarts
1/8 2/- 2/9 3/- 3/3 each.
6 8 10 12 Quarts.
4/- 4/9 6/9 8/3 each.



No. 2695. Open Can, Strong. Plain. Tin.

1½ 2 3 4 5 quarts.
1/4 1/8 2/- 2/9 3/- each.
6 8 10 12 quarts.
3/6 4/3 5/3 6/9 each.

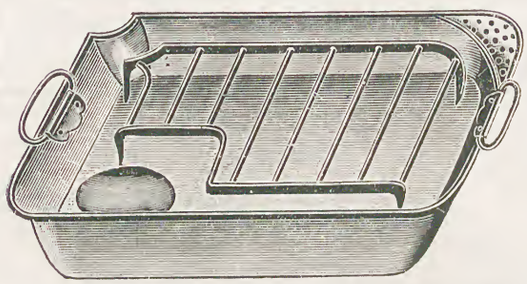
FRYPAN.



No. 2696. Wrought Iron, Pure Tinned. Diameter in inches at bottom.

5½ 6 6½ 7 7½ 8 9 10 11 12
1/- 1/1 1/2 1/3 1/4 1/6 1/11 2/5 3/3 3/9 each.

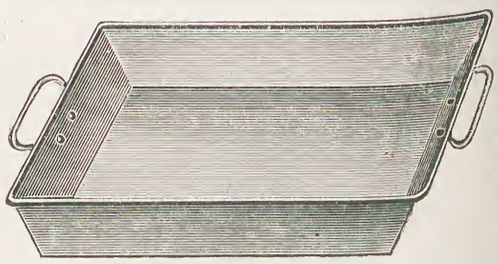
DOUBLE RANGE PAN.



No. 2697. Oblong Pattern, Strong, Stamped Tin, Extra Deep, with Tinned Grids.

Sizes, 12 13 14 15 16 18 ins.
Price—5/6 5 9 6/3 7/- 7/6 11/- each.

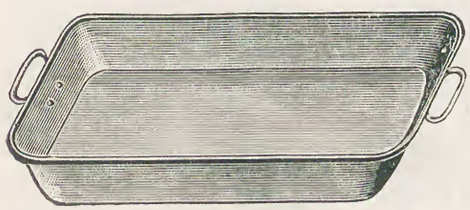
OBLONG BREAD PAN.



No. 2698. In Black Steel, Seamed Corners, Wired at Top, Wire Handles.

Sizes, 10×8 12×10 14×12 16×10 16×14 ins.
Price—10/9 13/6 18/- 18/- 21/- doz.

BAKING PAN.

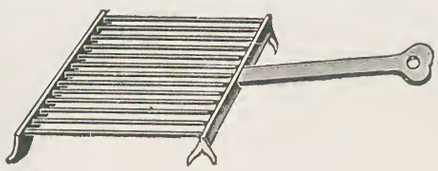


No. 2699. Tinned Baking Pan, Strong, Stamped Steel.

Sizes, 10 11 12 13 14 15 16 18 ins.
No. 2700.
Square, **12/3 14/6 16/6 19/- 21/3 23/- 25/6 32/-**
No. 2699.
Oblong, **9/3 10/3 11/- 13/9 15/9 17/6 18/3 21/9**

Per dozen.

GRID IRON.

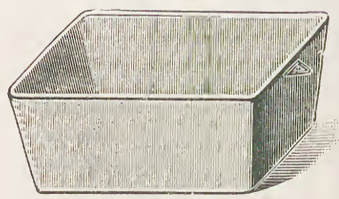


No. 2701. Wrought Grid Iron.

6 7 8 9 10 11 12 13 14 16 Bars.
7/3 8/9 10/- 10/9 11/3 12/6 13/9 15/- 15/9 18/3 doz.

Any other design supplied.

BREAD TIN.

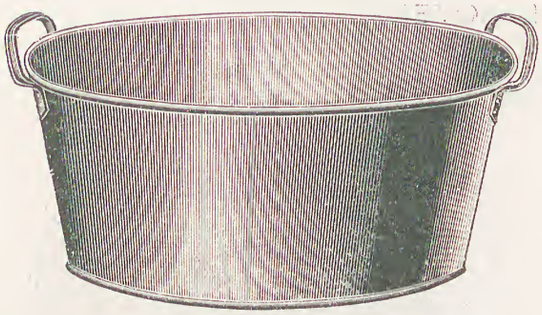


No. 2702. Strong Bread Tin.

6×4 7×5 8×6 10×8 ins.
11/6 13/6 16/- 21/6 dozen.

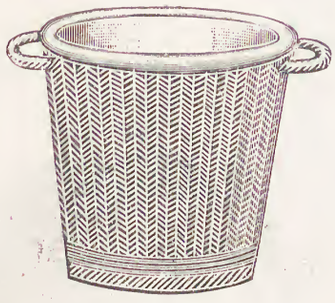
11×9½ 12×9¾ 13×10 14½×11 ins.
25/3 29/- 31/9 37/6 dozen.

GALVANIZED OVAL BATHS.



Nos.	Sizes,	12	14	16	18	20	22	24	26 inch.
2703.	Strong ..	22/-	24/9	27/3	32/-	37/3	42/6	47/3	54/- doz.
2704.	Extra Strong	28/-	32/	36/	40/-	46/-	52/-	58/-	66/- ,,
2705.	Hoop Foot .	3/-	3/-	3/-	3/-	4/-	4/-	6/-	6/- extra.
2706.	Strapping .	3/-	3/-	3/-	3/	4/-	4/-	6/-	6/- ,,

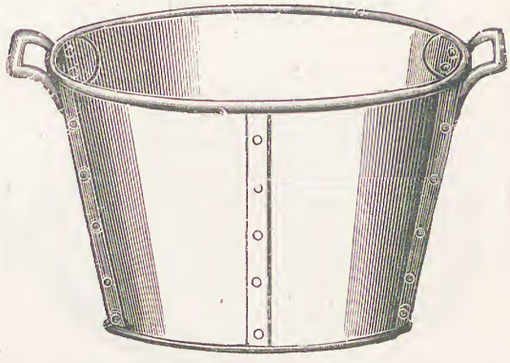
PLATE BASKET.



No. 2707. Lined with Tin.

Nos.	1	2	3
Prices,	**7/3**	**9/-**	**12/-** each.

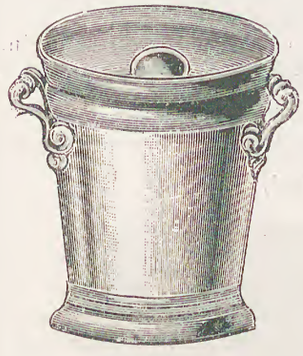
GALVANIZED SKIP.



No. 2708. With Straps and Plates.

Sizes,	15	16	17	18	19	20 inch.
	4/3	**4/9**	**4/9**	**5/-**	**5/6**	**5/9** each.

TOILET PAIL.

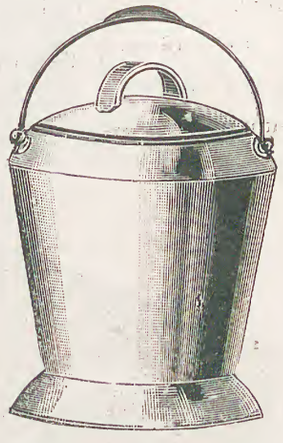


No. 2709.

Strong Japanned Oak or Art Colours.

Nos.	1	2	3
Prices	**7/-**	**8/-**	**10/3** each.
No. 2710. Medium	**5/9**	**7/-**	**9/3** ,,

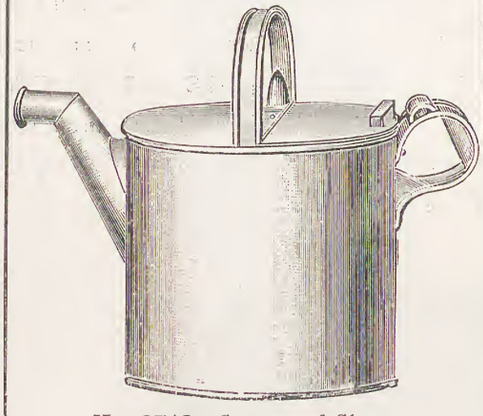
CHAMBER PAIL.



No. 2711. Best Quality Japanned Green or Mottled.

Nos,	2	3	4	5
Prices, Strong Tin,	**5/9**	**6/3**	**7/-**	**10/-** each

TOILET CAN.

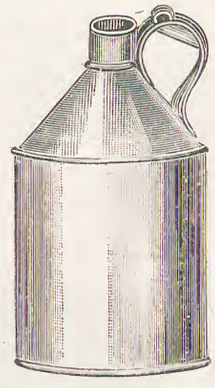


No. 2712. Strong and Cheap.

Tinned Iron. Oak and Tiptd or assorted Art Colours.

6	8	10	12 quart.
3/9	**4/6**	**5/3**	**5/9** each.

OIL BOTTLE.



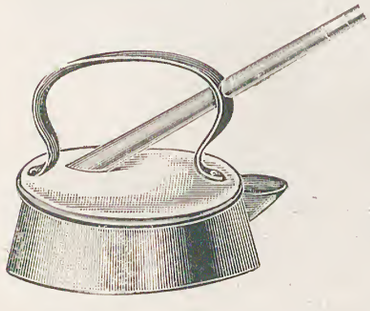
No. 2713.

1 pint.	1	2	quart.
6/9	**9/9**	**13/9**	dozen.

1	2	3	4	6	gall.
18/-	**32/6**	**50/-**	**66/-**	**88/-**	doz.

Light Brass Screw Tops **2/6** doz. ex.

BRONCHITIS KETTLE.

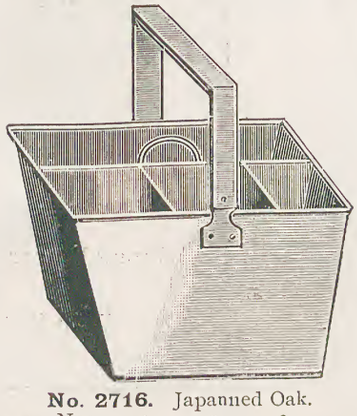


No. 2714. Capacity Five Pint. Round. Flue Sides, **36/-** to **42/-** doz.

No. 2715. Round. Straight Sides, **24/-** to **30/-** ,,

Can be made with Copper bottom if desired.

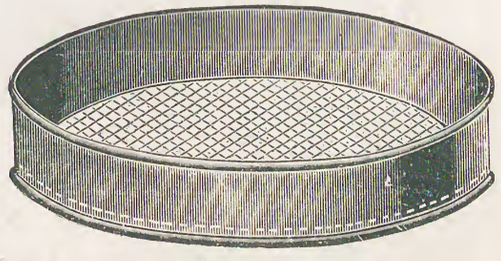
HOUSEMAID'S BOX.



No. 2716. Japanned Oak.

Nos.	1	2	3
Prices,	**6/9**	**7/3**	**9/-** each

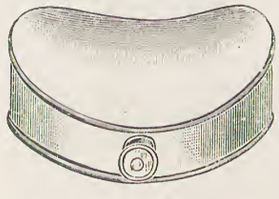
GALVANIZED IRON RIM RIDDLE.



No. 2717. Strong.

Size,	14	16	18	20 inch.
Mesh ¼ in.	**4/-**	**4/6**	**5/-**	**5/9** each.
,, ⅜ in.	**3/3**	**3/9**	**4/3**	**4/9** ,,
,, ½ in.	**3/-**	**3/3**	**3/9**	**4/-** ,,

STOMACH WARMER.

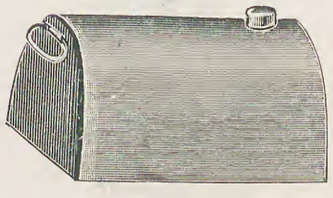


No. 2718. With Brass Screw.

Nos.	1	2
Common ..	**3/3**	**4/-** each.
Planished **No. 2719**	**4/-**	**5/3** ,,

Ditto, in Copper, **10/-** each.

FOOT WARMER.

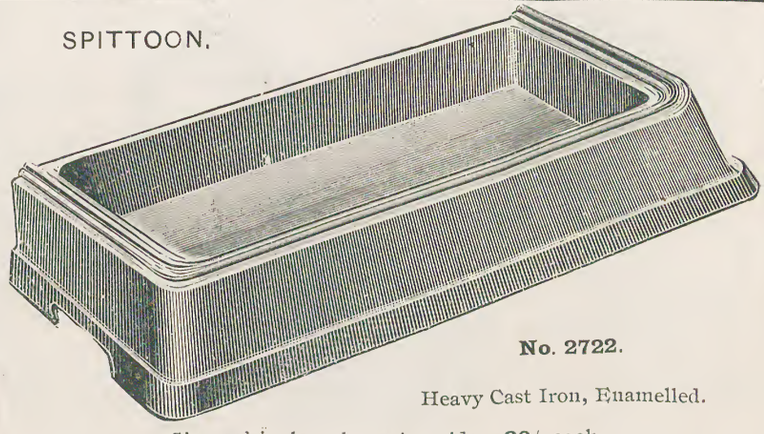


No. 2720.

Sizes,	1	2
Common ..	**4/-**	**5/3** each.
Planished **No. 2721.**	**6/-**	**8/3** ,,

Foot Warmer in Copper, Size, 10×5 in., **10/-** each.

SPITTOON.

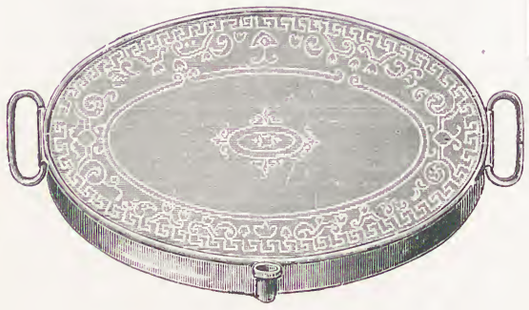


No. 2722.

Heavy Cast Iron, Enamelled.

Size, 23½ in. long by 12 in. wide. **20/-** each.

HOT WATER PLATE.



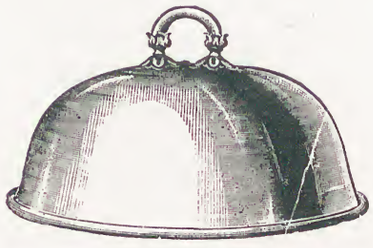
No. **2723.**

Tin Hot Water Plate.

Cheap pattern, 10 in.

22/9 per doz.

DISH COVERS.

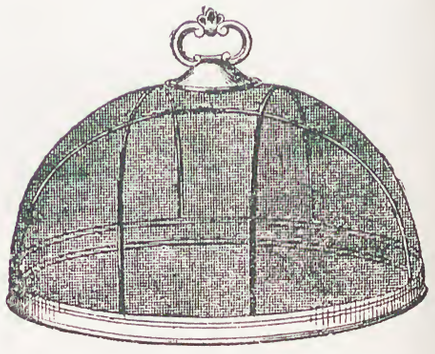


No. **2724.**

Block Tin Dish Covers.

Sizes	9	10	11	12	14	16	18 in.
	4/3	**4/9**	**5/-**	**5/6**	**6/6**	**7/9**	**9/9** ea.

All sizes and qualities supplied.



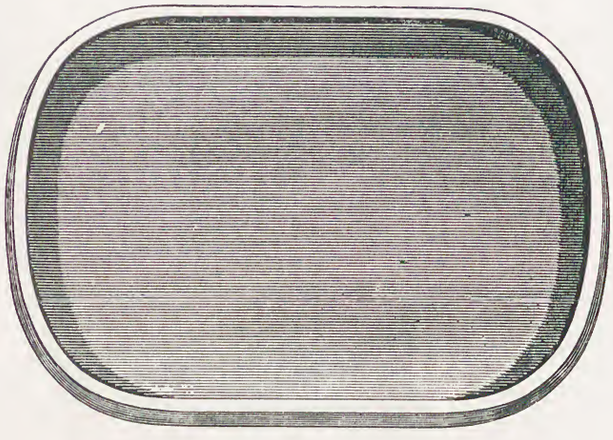
No. **2725.**

Dish Covers, Wove Wire, strong, Japanned Blue.

Sizes	10	12	14	16	18	20 in.
	6/9	**7/3**	**9/3**	**12/-**	**14/9**	**17/6** doz.

Set of Six, **5/6**.

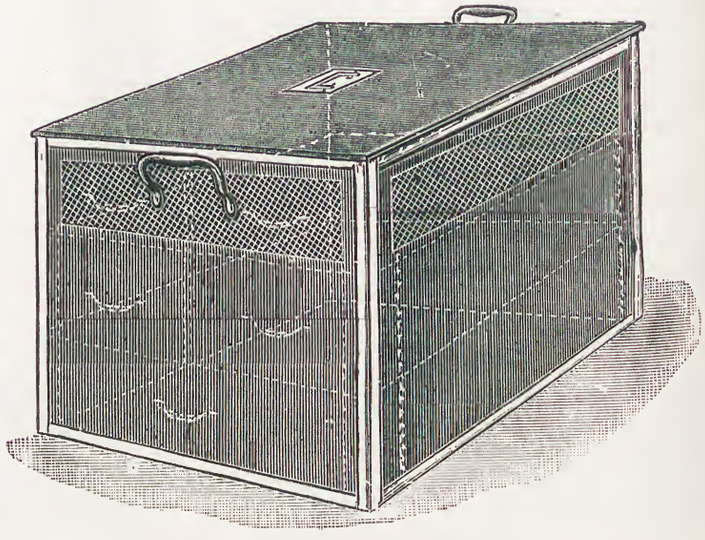
JAPANNED TEA TRAY.



No. **2727.**

Sizes ..	12	14	16	18	20	22	24	26	28	30 in.
No. **2726.**—Fillet or Borders	**2/9**	**3/-**	**3/3**	**3/9**	**4/6**	**5/3**	**6/-**	**7/3**	**8/3**	**9/6** ea.
No. **2727.**—Fillet no Copper Lines	**2/4**	**2/6**	**3/-**	**3/9**	**4/3**	**5/-**	**5/6**	**6/9**	**7/9**	**8/9** ,,

DINNER TIN.



No. **2728.**

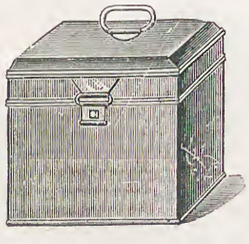
Strong Dinner Tin, for Workhouses, Hospitals, Asylums, &c.

Size, 23 × 17 × 15 ins. deep.

With Felt Lined Cover and Loose Trays as drawn.

92/6 each.

CANISTER.



No. **2729.**

Japanned in Colours and Ornamented.

7	8	9½	11	12½	14	16	17 in.
3/6	**3/9**	**4/6**	**6/-**	**7/-**	**8/6**	**13/3**	**15/6**

each.

CANISTER.



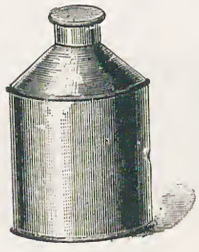
No **2730.**

Japanned.

½	1	1½	2	3	4	6	8 lb.
10/3	**14/9**	**16/6**	**19/9**	**24/3**	**28/6**	**33/-**	**41/9**

per doz.

CANISTER.



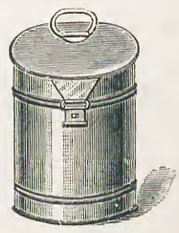
No. **2731.**

Japanned.

½	1	1½	2	3	4	6	8 lb.
10/3	**14/9**	**16/6**	**19/9**	**24/3**	**28/6**	**33/-**	**41/9**

per doz.

CANISTER.



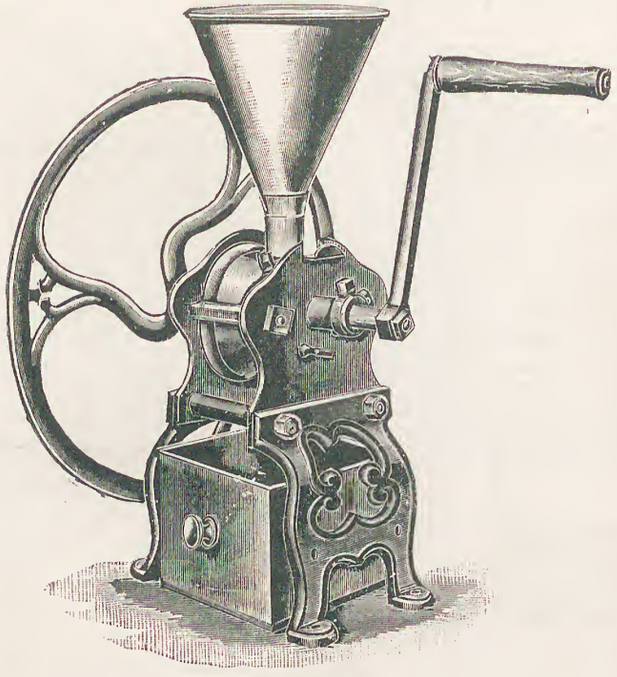
No. **2732.**

Japanned in Colours and Ornamented.

Nos. 0	1	2	3	4	5	6	7	8
1/5	**1/6**	**1/10**	**2/3**	**3/-**	**3/3**	**4/3**	**5/3**	**5/9**

each.

COFFEE MILL.



No. 2734.

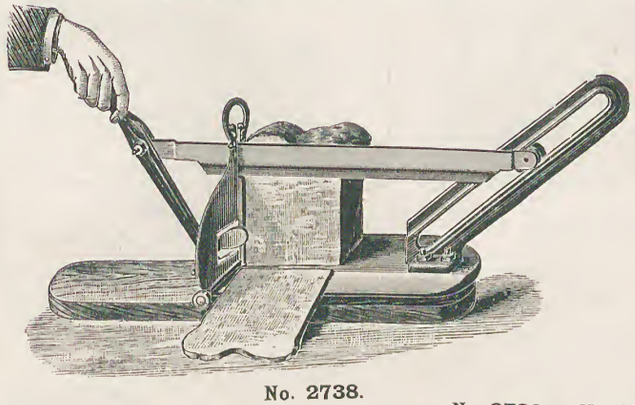
Wheel 17 to 24 ins. Height 28 to 30 ins.

Sizes	1	2	3	
Circumference of Body	13	15	17	inches.
Grinds per hour	12	20	30	lb.

No. 2733. Ornamental Fly Wheel, and the whole Japanned Green and Gilt **68/-** **76/-** **88/-** each.

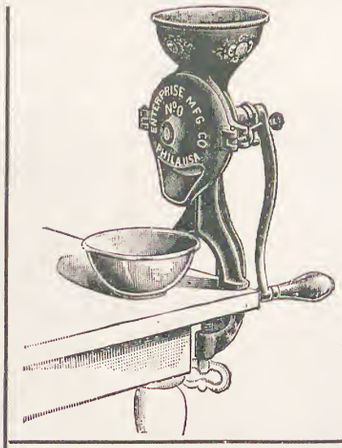
No. 2734. If all Black .. .. .. **53/3** **61/3** **70/6** ,,

BREAD CUTTER.



No. 2738.

	Will Slice Loaves any Size not exceeding	High.	Wide.	No. 2738. With Gauge.	No. 2739. Without Gauge.
Size 1.	,, ,, ,,	$5\frac{1}{2}$	$6\frac{1}{2}$	**27/6**	**22/3** each.
,, 2	,, ,, ,,	$6\frac{1}{2}$	$8\frac{1}{4}$	**38/3**	**32/3** ,,
,, 3	,, ,, ,,	8	$9\frac{1}{2}$	**55/-**	**48/-**
,, 4	,, ,, ,,	$8\frac{3}{4}$	$10\frac{1}{2}$	**75/6**	**66/-** ,



COFFEE MILL.

No. 2735.

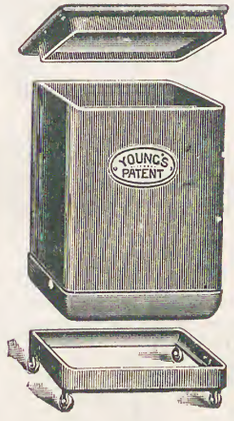
Capacity of Hopper, 4 ozs. Coffee.

Grinds 6 ozs. of Coffee per minute.

Weight 6 lb. Height $11\frac{1}{2}$ ins.

Price 8/9 each.

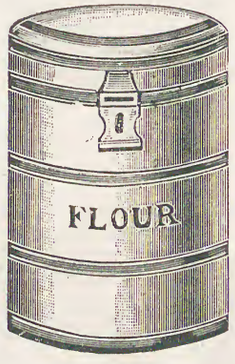
FLOUR BINS.



No. 2736.

Without External Corners or Crevices.

Nos.	Sizes.	Holds.	With Loose Lid. Each.	Trolley Stand. Extra.
1	35 ×21 ins.	280 lb.	**33/3**	**6/-**
2	26 ×16 ,,	140 ,,	**20/-**	**4/-**
4	16 ×11 ,,	28 ,,	**7/6**	**3/9**
5	$10\frac{1}{2}$× 9 ,,	14 ,,	**4/9**	**3/3**

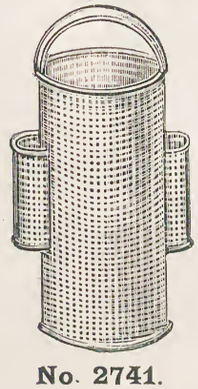


No. 2737.

Japanned Blue.

$\frac{1}{2}$	$\frac{3}{4}$	1	2	3	4 Pecks.
5/-	**5/3**	**6/3**	**7/9**	**10/-**	**12/9** ea.

ROUND GRATER.

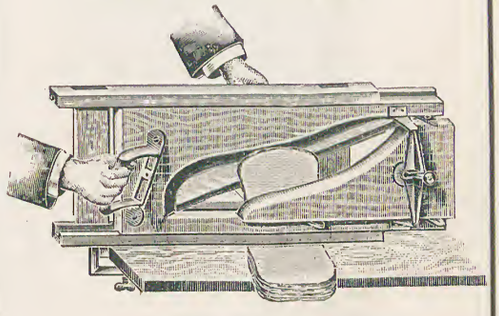


No. 2741.

Sizes $6\frac{1}{2}$ $9\frac{1}{2}$ inches.

8/- **16/-** dozen

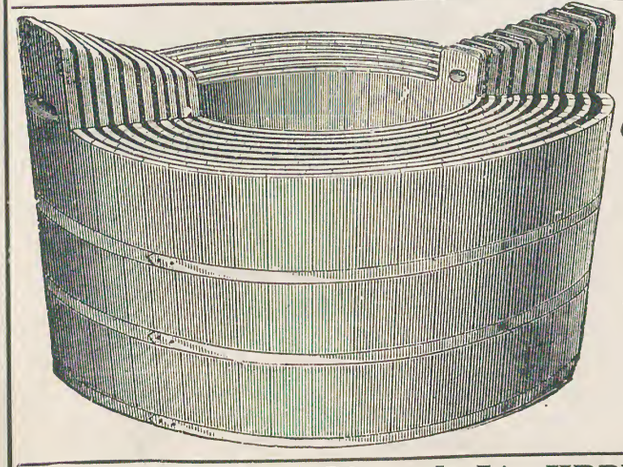
BREAD CUTTER.



No. 2740.

"Kutteezi" Pattern.

27/6 each.



WHITE CEDAR WOOD TUBS.

No. 2742.

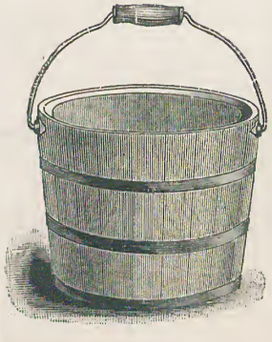
Extra Large.

Sizes 16 18 20 22 24 26 28 inches.

55/-

per Nest of 7.

WOOD WATER PAIL.



No. 2743.

2 Hoop (Iron) Painted, **16/-** per dozen.

3 Hoop (Iron) Painted, **23/-** per dozen.

3 Hoop White "Stable," Extra Strong, **27/-** per dozen.

LADLES.



No. 2744.
Cook's Strong Tinned Iron.

3½	4	4½	5 inch.
7/-	7/6	8/9	10/- dozen.

No. 2745.
Bright Tin, Cook's Ladle.

½	1	2 pints.
28/6	31/9	39/6 dozen.

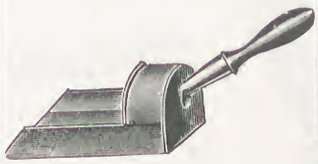
FLOUR DREDGER.



No. 2746.
Tin, Bright Top.

Nos. 1	2	3
6/3	6/9	8/6 doz.

TEA SCOOP.



No. 2747.
Japanned Iron Flat Bottom.

6	7	8	9 inch.
12/-	12/9	13/3	14/- dozen.

POTATO MASHER.



No. 2748. Tinned Iron.

3⅜ × 3¼	4⅛ × 3⅝
24/-	32/- per doz.

BOWL.



No. 2749.
Iron with Wood Handle.

	7	8	9	10	11 in.
Galvanized ..	10/-	12/-	15/-	17/3	21/- doz.
Bright Tinned	12/-	14/-	16/9	19/-	22 3 ,,

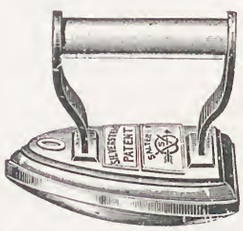
Hand Bowls with Straight Sides and Hoop Foot quoted for on application.

SAD IRONS.



No. 2750.
Best Quality. **26/6** cwt.
Cas and Box Irons to order.

CONVEX IRONS.

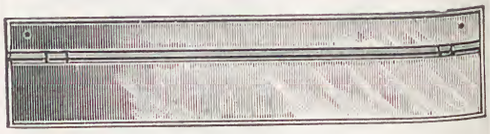


No. 2751. Best Quality.
Nos.

1	2	3	4	5	6	7	8
12/-	13/-	14/-	15/-	16/-	18/-	20/-	22/-

dozen.

TIN BLOWER.



No. 2752.

Lengths.	30	33	36	39	42	45	48 in.
Hinged as drawn.	1/6				1/9		each.

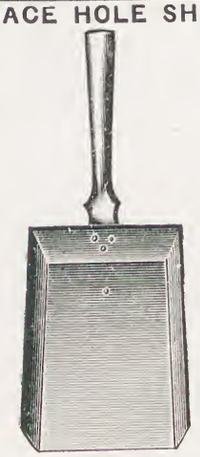
STAMPED SHOVEL.



No. 2753. Steel.

Sizes,	4	5	6	7	8 in.
Japanned..	5/-	6/-	6/9	8/-	10/- doz.
Galvanized	6/9	8/-	9/3	10/9	14/- ,,

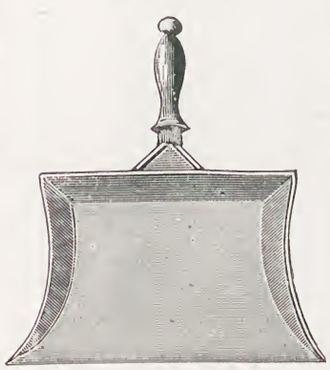
FURNACE HOLE SHOVEL.



No. 2754. Square, Strong Japanned Iron.

Sizes,	4	5	6	7	8 in.
	6/3	8/-	10/-	12/-	15/- doz.

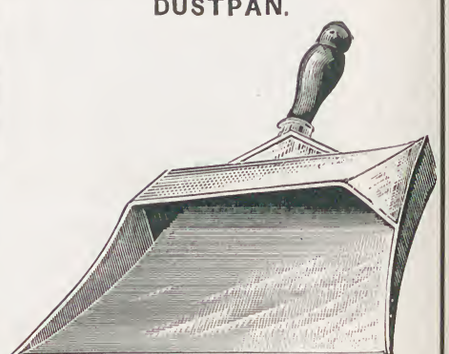
DUSTPAN.



No. 2755.

Nos.	1	2	3
Plain Tin ..	12/9	17/6	19/9 doz.
Japanned ..	16/6	19/9	22/- ,,

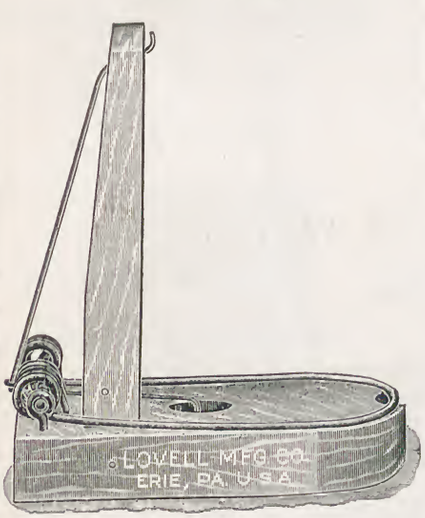
DUSTPAN.



No. 2756. Tin.
Half Covered. New Pattern Arch Top.

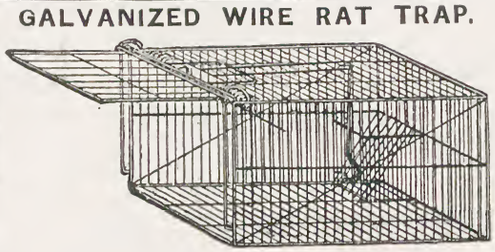
Sizes,	1	2	3
Assorted Colours	19/6	23/9	26/6 dozen.

RAT TRAP.



No. 2757.
13/- per dozen.

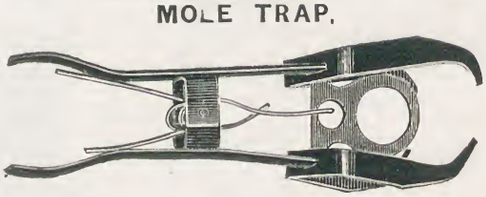
GALVANIZED WIRE RAT TRAP.



No. 2758.

Sizes,	12	14	16 inch.
No. 2758. Common	2/3	3/-	— each.
No. 2762. Best Strong Quality	3/6	4/9	5/9 ,,

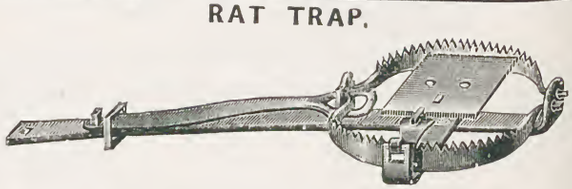
MOLE TRAP.



No. 2760.

Fast Setters and Springs. Best Quality Japanned ..	4/- each.
Ditto, Galvanized..	5/6 ,,

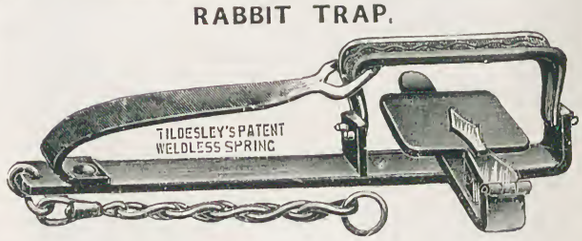
RAT TRAP.



No. 2759. Full Size. Good Make.

Nos.	1	2	3	4	5	6
	4/-	4/6	4/9	5/3	5/9	6/6 dozen.

RABBIT TRAP.



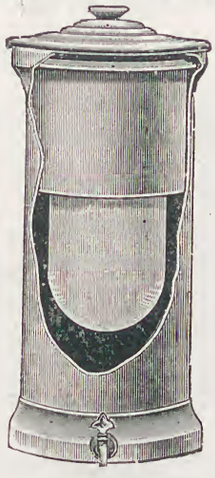
No. 2761. Best Quality. With Chain.

Sizes,	4	4½	5 inch.
Sham Dorset Quality	11/-	14/-	17/- doz.
No. 2763. Real Dorset Quality, with Brass Catch and Galvanized Plate	15/-	18/-	21/-

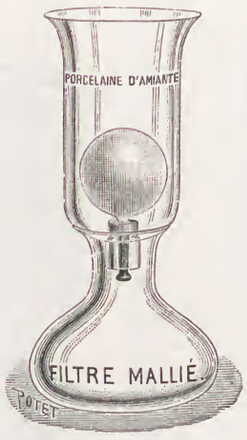
HOUSEHOLD FILTERS.



Elevation.



Section.



No. 2764. In White Glazed Earthenware.

Height Including Cover.	Diameter.	Capacity about.	Price.
15 inches	6½ inches	1½ Gallon	**19/3**
18 ,,	7 ,,	2 ,,	**22/-**
23 ,,	9 ,,	4 ,,	**36/9**
25 ,,	10 ,,	6 ,,	**52/6**

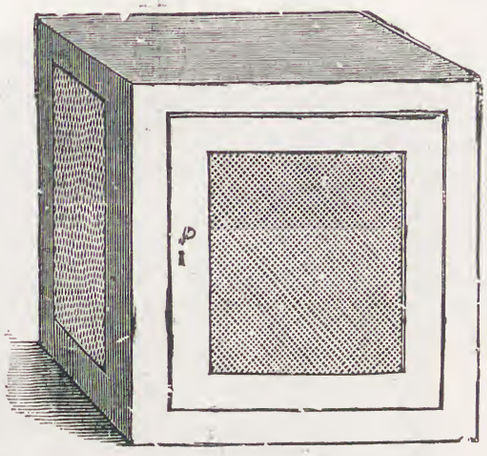
Price each, fitted with Taps complete.
"Pasteur" or other well-known Filters supplied to order.

In Crystal Glass.

No. 2765.

Price .. 12/3 each.

MEAT SAFE.



No. 2766. Flat Top, Perforated Zinc Panels, Wood Shelf, Lock and Key.

	Sizes, 18	21	24	27	30 in.
Well made and Durable,	**10/6**	**12/9**	**15/9**	**17/6**	**21/-**

No. 2767.

Common Quality ..	**7/9**	**9/3**	**11/9**	**14/-**	**17/-**

each.

ADJUSTABLE BEDSIDE TABLE



For Invalids, Reading, Writing, and General Study. May be firmly adjusted to any desired height so as to extend over the centre of the Bed, at the same time clear and independent of the Bed, thus avoiding any weight or pressure, and enables the patients to take their meals in comfort and without fatigue.

No. 2768.

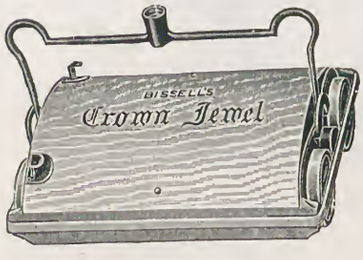
Framework Finished in Black Enamel	**28/-**
,, ,, White ,, ...	**30/-**
,, ,, Lacquered Brass or Nickel Plated }	**43/3**

each.



Each Table is mounted on a Light Steel Frame supported on a well Designed Foot with Castors and Nickel Mounted, with Polished Oak Table 24 ins. long × 15 ins. wide and Folding Book Holder complete. Made in parts and is portable for packing and travelling.

THE BISSELL CARPET SWEEPERS.



No. 2769.

The most popular of the whole range of low-priced Carpet Sweepers, and the cheapest machine enjoying the security of a Fixed Retail Price. Has a brush of pure bristle, Bissell's patent metal to-metal handle fastener, the imperishable furniture guard, and a number of the well-known Bissell conveniences

Price .. .. 10/9 each.



No. 2770.

Unquestionably the best of the simple "5-Moving Parts" Class, and much cheaper than any of corresponding quality. Has a pure bristle brush, well adjusted driving gear of the non-cyco class, and Bissell's patent handle fastener. A very free selling line at a Fixed Retail Price.

Price .. .. 11/3 each.

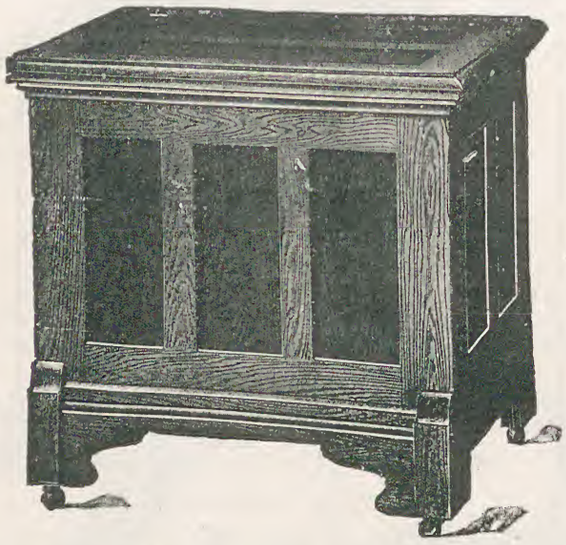


No. 2771

The Grand Rapids is the oldest and most popular of all sweepers sold in Great Britain. It has, however, been continuously improved, and is now a Cyco-Bearing machine of the highest class, with the medium of domestic finish. It is built of the same twelve woods as Bissell's SUPERIOR, and of the same quality throughout, with the slight exception that its fittings are enamelled. It contains a brush of pure bristle, a reversible bail, with Bissell's patent equipoise springs, the new metal-to metal handle fastener, and the imperishable woven guard.

Price .. .. 14/- each.

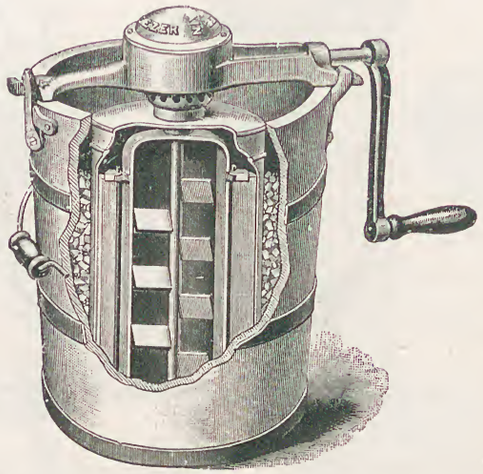
ICE CHEST.



No 2772.—SOLID ASH. These are made like Refrigerators with an inside body of odourless wood, lined with polished Zinc, and are handsomely finished. They are well built, with strong Shelves and an Ice Rack, and are insulated with Charcoal Sheathing.

Width.	Depth.	Height.	Price each.	Width.	Depth.	Height.	Price each.
24 ins.	16 ins.	25 ins.	£2 13 3	38 ins.	24 ins.	34 ins.	£5 6 9
27 ,,	19 ,,	27 ,,	3 6 9	44 ,,	26 ,,	36 ,,	7 6 9
32 ,,	22 ,,	32 ,,	4 0 0	54 ,,	30 ,,	37 ,,	9 6 9

ICE CREAM FREEZER.



Practical.
Well Made.

Always to be **relied** upon.

Price is **Right**

Fitted with the Triple Motion which is essential to good Ice Cream.

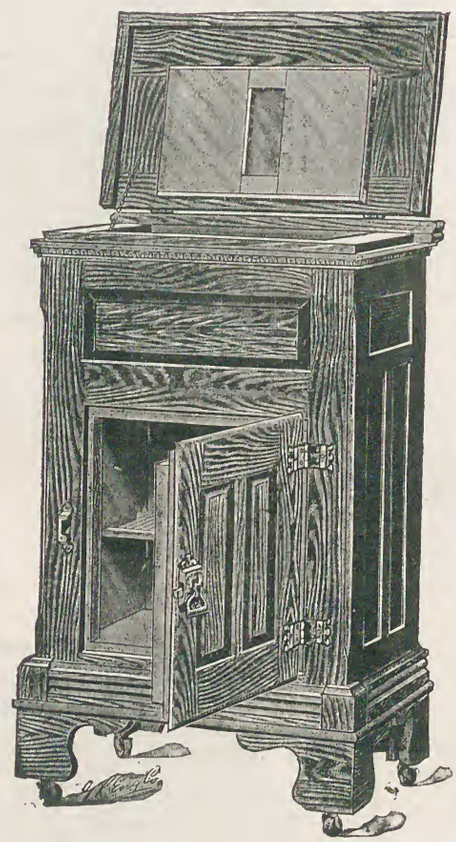
No. 2773. "White Mountain."

Sizes	1	2	3	4	6	8 Quarts.
	12/6	**14/6**	**17/9**	**21/9**	**28/3**	**37/9** each.
Sizes	10	12	15	20		25 Quarts.
	50/-	**62/6**	**78/-**	**100/-**		**118/6** each.

Fly Wheels fixed to above at following extras:—

2 3 and 4	6	8	10	12 and 15	20	25 Quarts.
6/9	**9/3**	**10/9**	**14/9**	**17/3**	**21/3**	**30/9** each extra.

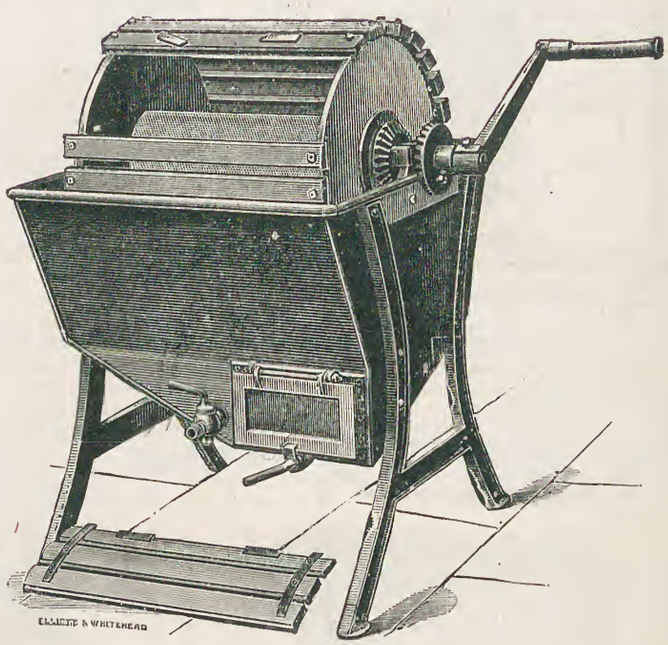
REFRIGERATOR.



No. 2774.—SOLID ASH, with **plain raised panels**, furnished with our new Lever Lock, Solid Brass Hinges, Patent Malleable Iron Castors, Solid Metal Shelves, Charcoal-filled and lined with Polished Zinc.

Width.	Depth.	Height.	Price each.	Width.	Depth.	Height.	Price each.
27 ins.	18 ins.	42 ins.	£5 6 0	38 ins.	23 ins.	51 ins.	£11 4 0
29 ,,	19 ,,	45 ,,	6 13 0	40 ,,	26 ,,	55 ,,	14 13 0
32 ,,	20 ,,	47 ,,	8 8 0	42 ,,	28 ,,	60 ,,	16 13 6
36 ,,	22 ,,	50 ,,	9 16 0	46 ,,	29 ,,	63 ,,	19 6 6

POTATO PEELER AND WASHER.



No. 2775.

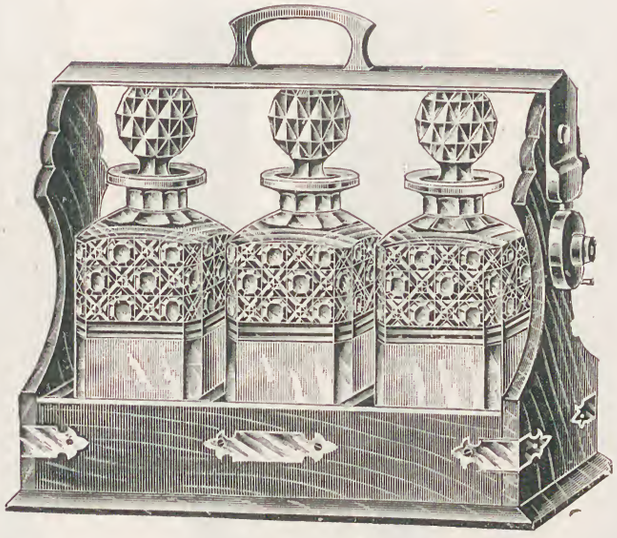
New Patent Double Action.

	Nos. 1B	2	3	4
Price	**£7 2 6**	**£7 17 6**	**£8 13 6**	**£9 18 6** each.

If fitted with Fly Wheel .. Nos. 2, 3, 4 **35/6** each extra.

Specially suitable for Hotels, Restaurants, Boarding Schools and Colleges, Asylums, Workhouses, &c. A Real Caterer's Friend. Saves half in weight of waste, half the time and labour, and will peel either old or new potatoes. Made in sizes to take 20, 30, 40 or 60 lb. at one operation.

LIQUEUR FRAMES.

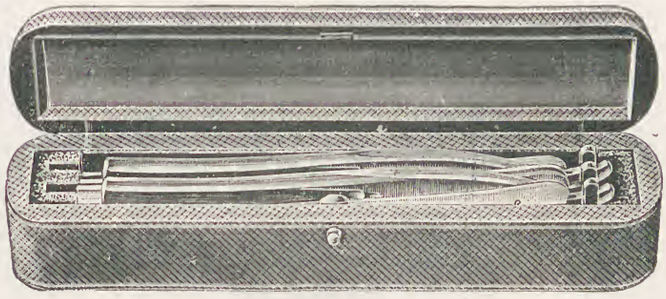


No. 2776.

Polished Oak Frame, with Electro-plated on Nickel Silver Mounts.

2-Bottles **85**/- 3-Bottles **100**/- each.

RAZORS.



No. 2777.

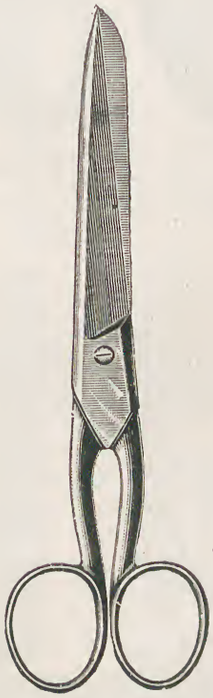
Leather Case.

Fitted with Pair Medium Hollow-ground Razors.

Bone **8/9** Ivoride **10/9** Black **14**/- per case.

No. 2778.	Cheap Pattern Razor..	Black **13/6**	Bone **14/6** doz.		
		Black.	Ivoride.	Ivory.	
No. 2779.	Medium Hollow Ground	**32/9**	**38/6**	**53/6** doz.	
No. 2780.	Full Hollow Ground ..	**38/6**	**42/6**	**60/9**	,,

SCISSORS.



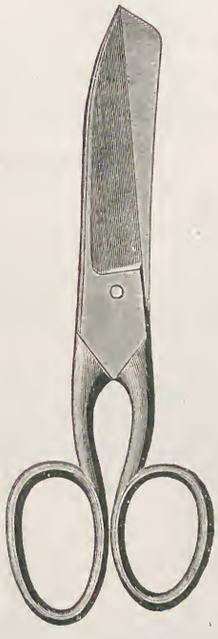
No. 2781.



No. 2782.



No. 2783.



No. 2784.



No. 2785.

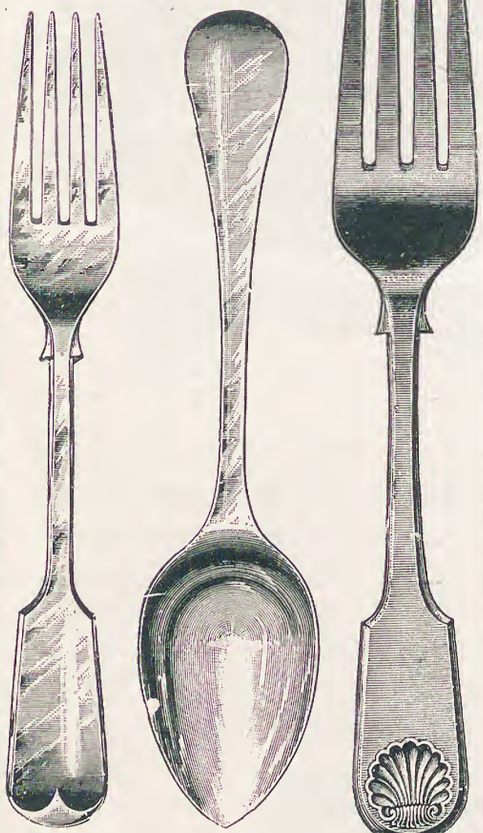


No. 2786.

		Sizes	3	3½	4	4½	5	5½	6	6½	7	8	9	inches.
No. 2781.	"General"	..	—	—	—	**9**/-	**11**/-	**13**/-	**15**/-	**17**/-	**20**/-	—	—	per doz.
,, **2782.**	"Nurses"	..	—	—	**17**/-	**19**/-	**21**/-	—	—	—	—	—	—	,,
,, **2783.**	"Barber's"	..	—	—	—	—	—	—	**25**/-	**29**/-	**33**/-	—	—	,,
,, **2784.**	"Cutting-out"	..	—	—	—	—	—	—	**17**/-	**19**/-	**24**/-	**35**/-	**47**/-	,,
,, **2785.**	"Shears"	..	—	—	—	—	—	—	—	—	**55**/-	**71**/-	—	,,
,, **2786**	"Nail" ..	..	**37**/-	**37**/- per dozen.										
,, **2787.**	Special Cheap "Nail," **17**/- per dozen.													

SPOONS AND FORKS, &c.

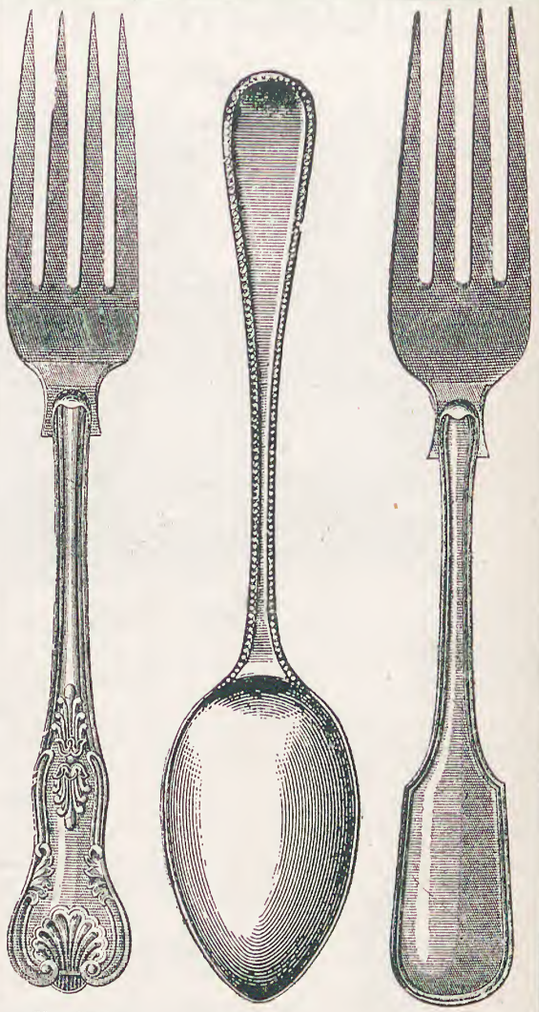
ELECTRO-PLATED ON NICKEL SILVER AND GENUINE BRITISH PLATE.



No. 2788. "Fiddle" Pattern. | **No. 2789.** "Old English" Pattern. | **No. 2790.** "Shell Head" Pattern.

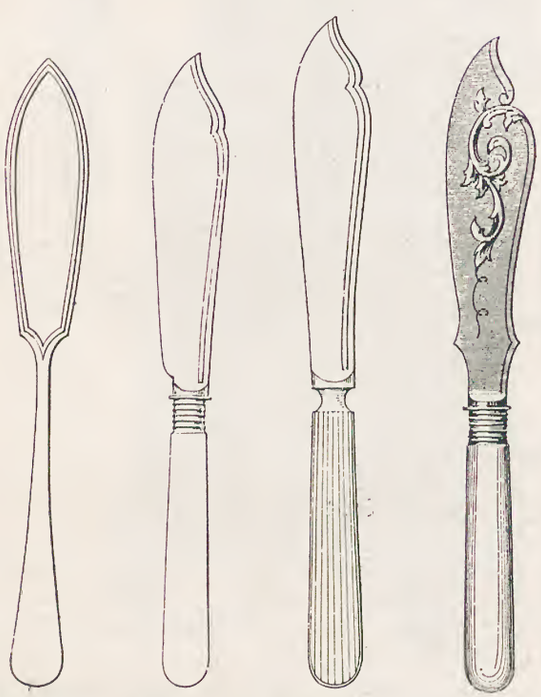
	"Fiddle" and "Old English" same Prices.		"Shell Head" Pattern	'Kings,' Beaded and Double Threaded same Price.
	E.P.N.S.	B.P.	E.P.N.S	E.P.N.S.
Table Forks, full size .. doz.	42/-	16/-	46/-	57/-
Dessert ,, ,, .. ,,	32/-	10/6	36/-	40/-
Table ,, medium .. ,,	38/-	14/-	42/-	51/-
Dessert ,, small .. ,,	28/-	9/-	32/-	36/-
Table Spoons, full size ,,	42/-	16/-	46/-	57/-
,, ,, medium ,,	33/-	14/-	42/-	—
,, ,, small .. ,,	35/-	12/-	41/-	51/-
Dessert ,, full size ,,	32/-	10/-	36/-	40/-
,, ,, small .. ,,	28/-	8/-	32/-	36/-
Tea ,, full size ,,	18/-	5/-	21/-	28/-
,, ,, medium ,,	16/-	4/-	18/-	—
,, ,, small .. ,,	14/-	3/6	15/-	25/-
Sugar Tongs, full size, 6in. long ,,	40/-	12/-	52/-	57/-
,, ,, small, 4¼in. long ,,	24/-	8/-	42/-	48/-
,, Spoons .. .. ,,	18/-	5/-	21/-	28/-
Caddy ,, ... ,,	14/-	4/-	15/-	—
Egg ,,	16/-	4/-	15/-	25/-
Mustard ,, (If Gilt Bowls, 5/- doz. extra)	16/-	4/-	15/-	25/-
Salt ,,	16/-	4/-	15/-	25/-
Mustard Ladles, 5½ in. long .. doz	18/-	5/-	21/-	—
Gravy Spoons, full size each.	7/-	2/9	8/-	10/-
,, ,, small .. ,,	6/-	2/3	7/-	—
Soup Ladles, full size.. ,,	12/-	4/6	13/6	16/-
,, ,, small .. ,,	10/-	4/-	12/6	—
Sauce ,, full size .. ,,	3/6	1/4	4/-	5/-
,, ,, small .. ,,	3/-	1/2	3/9	—
Toddy ,, ... doz	36/-	12/-	42/-	48/-

When ordering, state which pattern is required, and whether E.P. or B.P. is wanted.
Cheaper or better qualities can be supplied if required.



No. 2791. "King's" Pattern. | **No. 2792.** "Beaded" Pattern. | **No. 2793.** "Threaded" Pattern.
All Stamped on both sides.

FISH EATERS.



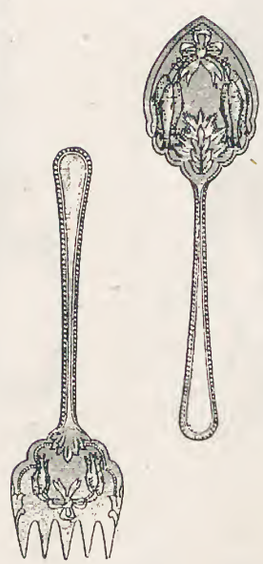
No. 2794. **No. 2795.** **No. 2796.** **No. 2797.**

Electro-plated on Nickel Silver.

		Knife.	Fork.
No. 2794.	.. ..	**3/8**	**3/-** each.
,, **2795.**	Ivory Handle	**5/6**	**4/6** ,,
,, **2796.**	Fast Handles, Hard Soldered	**4/10**	**4/-** ,,
,, **2797.**	Ivory Handles	**5/6**	**4/6** ,,

Oak, Mahogany, or Walnut Cases, Cloth Lined, with Tray,
For 12 pairs, **17/-** For 6 pairs, **13/-** each.

SARDINE SERVERS.



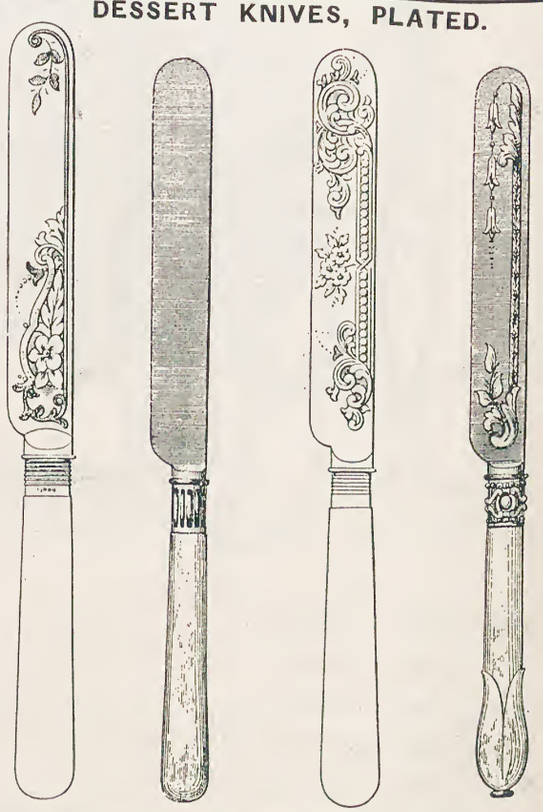
No. 2798.

Electro-plated on Nickel Silver, Neatly Engraved.

Server, **3/-** each.

Fork, **3/-** each.

DESSERT KNIVES, PLATED.



No. 2799. **No. 2800.** **No. 2802.** **No. 2804**

		Prices per set of 12 pairs.
No. 2799.	Ivory Handle, with Silver Ferrules	**90/-**
,, **2800.**	Ivory Handle, Plain	**110/-**
,, **2801.**	,, ,, Chased	**120/-**
,, **2802.**	,, ,, with Silver Ferrules	**120/-**
,, **2803.**	,, ,, Plain	**120/-**
,, **2804.**	,, ,, Chased	**130/-**

Oak, Mahogany, or walnut Cases, Cloth Lined, with Tray.
For 12 pairs, **13/-** For 6 pairs, **11/-** each.


No. 2805.


No. 2806.


No. 2807.


No. 2808.



No. 2809.


No. 2810.

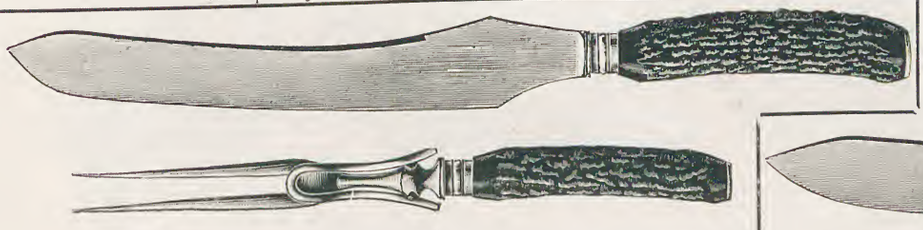

No. 2811.


No. 2812.

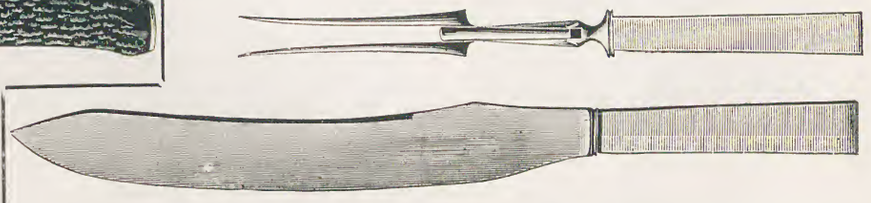
No. 2813.

No. 2814.

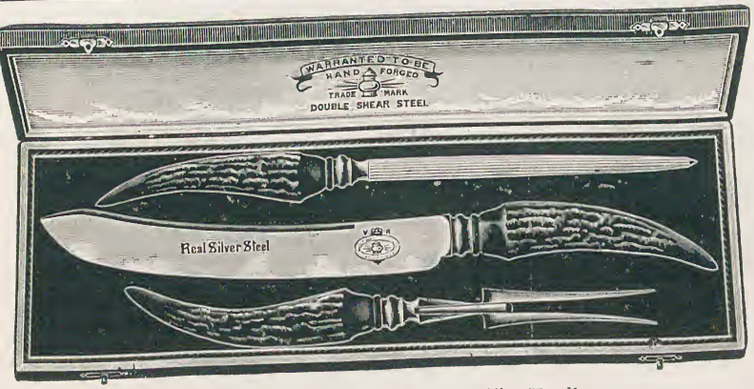
		Table Per Doz.	Dessert Per Doz.	Carvers Per Pair.	Steels Each.		
No. **2805.**	Black Horn Handled Table Knives, medium size, with Cast Forks	**5/9**	—	—	—	**9/-**	**12/-**
„ **2806.**	„ „ „ „ „ with Steel Forks	**5/9**	—	—	—	**9/-**	**12/-**
„ **2807.**	Black Horn Handled, side pinned, medium size, well finished, with Steel Forks	**9/-**	—	—	—		**17/-**
„ **2808.**	Stag Horn Handles, „ „ „ „ with Steel Forks	**8/-**	—	—	—	Set of 12 Knives and 12 Cast Forks.	**15/-**
„ **2809.**	Nickel Silver Handle throughout, large size, fastened to resist boiling water ..	**17/-**	**15/-**	—	—		**34/-**
„ **2810.**	Ivoride Handles, medium size, Table Knife	**10/-**	**9/-**	**5/-**	**1/6**		
„ **2811.**	Ivoride Handles, large size, Table Knife, well finished throughout	**15/-**	**11/6**	**5/6**	**1/9**	—	Set of 12 Table Knives and 12 Steel Forks.
„ **2812.**	Real Ivory Handles, large size Table Knife, edge pinned, well finished ..	**35/6**	**24/-**	**11/-**	**3/6**	—	
„ **2813.**	Real Ivory Handles (stout African), best Shear Steel Blades, through tang, best quality and finish throughout	**53/-**	**35/6**	**14/-**	**5/-**	—	
„ **2814.**	Real Ivory Handles (stout African), best Shear Steel Blades, through tang, best quality and finish throughout	**55/-**	**37/6**	**14/6**	**5/6**	—	—



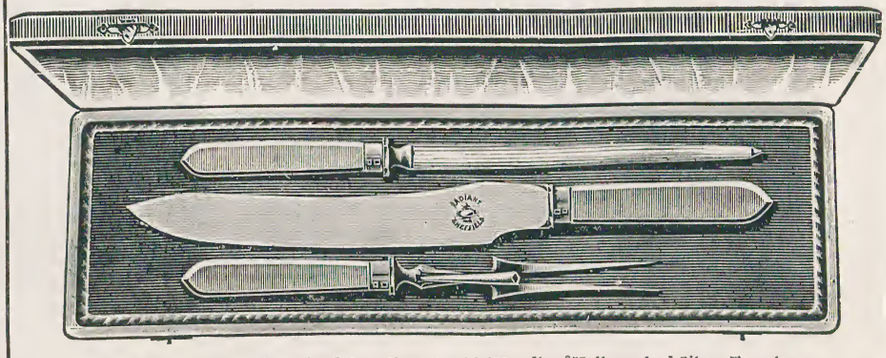
No. 2815.—Finest quality Carvers, Shear Steel Blades, special ground, Fork has improved Rest Guard, Real Horn Handles, strong Nickel Silver mounts.
Carvers, **7**/- per pair. Steel to match, **2**/- each.



No. 2816.—Fine quality Ivory Handled Carvers, with finest Double Shear Steel Blades, specially ground and tempered; nothing better made.
Carvers, **13/6** per pair. Steel to match, **4/3** each.
No. 2817.—Ivoride Handled Carvers, well finished and well ground.
Carvers, **4**/- per pair. Steel to match, **1/6** each.



No. 2818.—Velvet Lined Case, Real Stag Tine Handles.
Three pieces, **15**/- per case. Five pieces, **27**/- per case.
No. 2819.—Better quality, with Hall-marked Silver Ferrules.
Three pieces, **27**/- per case. Five pieces, **43**/- per case.

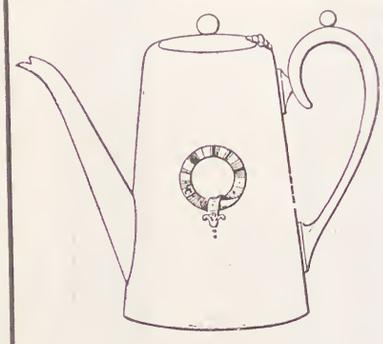


No. 2820.—Velvet Lined Case, best Ivoride Handles, Hall-marked Silver Ferrules.
Three pieces, **25**/- per case. Five pieces, **40**/- per case.
No. 2821.—Real Ivory „ **40**/- „ „ **64**/- „

TEA and COFFEE SET. Electro-plate on Nickel Silver.

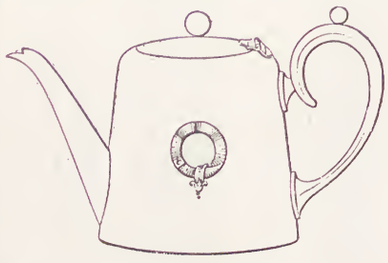
Specially Made and Plated for Heavy Wear. Hotel, Ship, or Club use.

No. 2822.



Coffee Pot.

2 3 4 5 6 ½-pints.
46/- **54**/- **62**/- **72**/- **84**/- ea.



Tea Pot.

1 2 3 4 5 6 ½-pints.
33/- **44**/- **52**/- **60**/- **70**/- **82**/- ea.

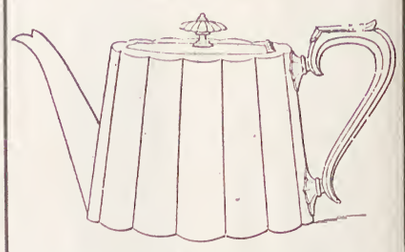


Sugar Basin.
Gilt Inside.
Large. Small.
48/- **35**/- ea.



Cream Jug.
Gilt Inside.
Large. Small.
35/- **28**/- ea.

TEA POT.



Extra Hard Britannia Metal.
No. 2823. Warranted.

	2	3	4	5	6 ½-pts.
Tea..	**11**/-	**12**/-	**13**/-	**14**/-	**15**/- ea
Coffee	**14**/-	**15**/-	**16**/-	**17**/-	**18**/- ea.

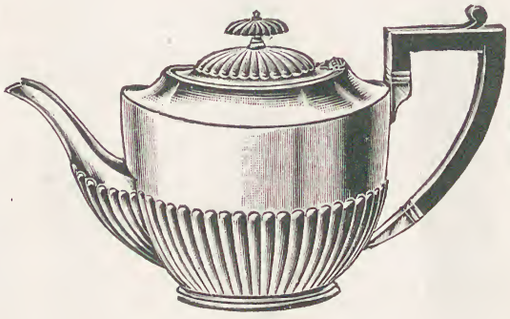
"QUEEN ANNE" SERVICE.

Electro-plated on Britannia Metal or Nickel Silver.

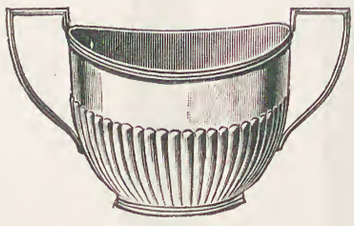
No. 2824.



Coffee Pot, 6 Half-pints.
E.P.B.M. **36**/- each.
E.P.N.S. **70**/- ,,



Tea Pot, 5 Half-pints.
E.P.B.M. **29**/- each.
E.P.N.S. **64**/- ,,



Sugar Basin.
E.P.B.M. **18**/- each.
E.P.N.S. **36**/- ,,



Cream Jug.
E.P.B.M. **14**/- each.
E.P.N.S. **29**/- ,,

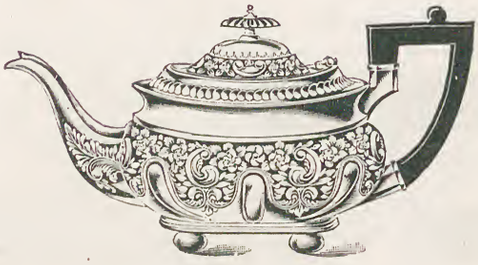
TEA AND COFFEE SERVICE.

Electro-plated on Nickel Silver. Handsomely Chased.

No. 2825.



Coffee Pot, 6 Half-pints
110/- each.



Tea Pot, 5 Half-pints.
100/- each.



Sugar Basin.
Gilt Inside.
75/- each.



Cream Jug.
Gilt Inside.
55/- each.

Complete Service, £17 0 0.

Kettle and Stand, with Lamp to match, can be supplied.

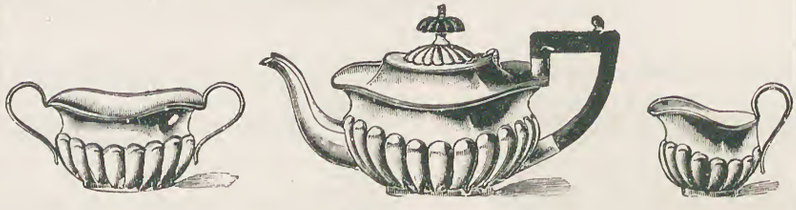
HOT WATER JUG.



No. 2826. Plain.

1 1½ 2 pint.
60/- **72**/- **84**/- each.

AFTERNOON TEA SERVICE.



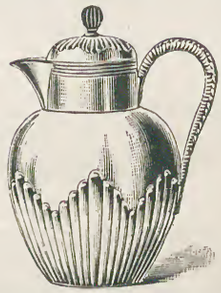
No. 2827.

Electro-plated Nickel Silver

Tea Pot, Sugar Basin and Cream Jug.

72/- per set.

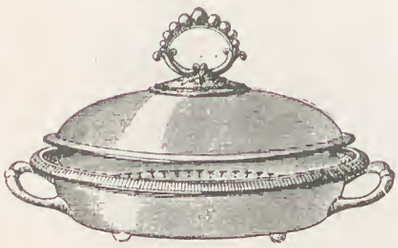
HOT WATER JUG.



No. 2828. Fluted with Wicker Covered Handle. Ebony Knob.

1½ 2 2½ pints.
33/3 **36/9** **40**/- each.

BACON DISH.



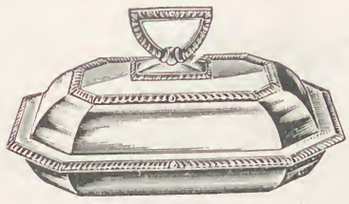
No. **2829.** With Drainer, E.P.N.S.
10½ in. .. .. **90**/- each.

PUDDING BASIN.



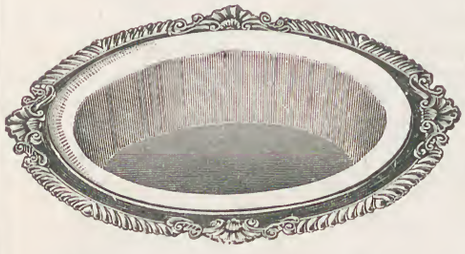
No. **2830.** Round with Rich Shell Edge.
Small size, **60**/- each. Large size, **80**/- each.

ENTRÉE DISHES.



E.P.N.S.
No. **2831.** Oval, " Bead " Pattern. A quality, 12 in. **£16** per set of four.
No. **2832.** Octagon Pattern. A quality, 10 in. **£15** per set of four.

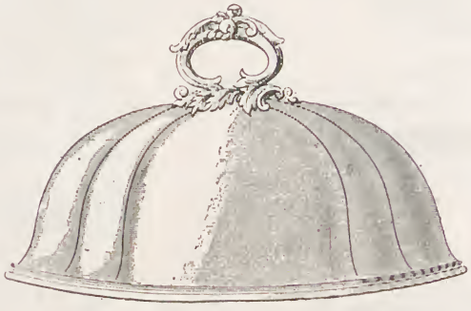
PIE DISH.



No. **2833.** With White Earthenware Lining, Ornamental Mounts. Oval.

Small.	Medium.	Large.
44/-	**56**/-	**68**/- each.

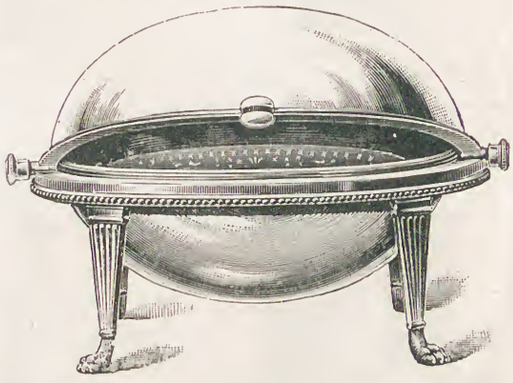
DISH COVERS.



Sizes,	10	12	14	16	18	20 in.
No. **2834.** B.M. with E.P. Handles ..	**13/6**	**18/-**	**23/-**	**29/-**	**38/-**	**50/-**
No. **2835.** E.P. on B.M.	**23/-**	**31/-**	**40/-**	**50/-**	**63/-**	**80/-**
No. **2836.** E.P. on N.S.	**70/-**	**84/-**	**98/-**	**112/-**	**136/-**	**160/-** each.

Drawing is No. 2836.
Nos. 2834 and 2835 have Plain Ring Handles.

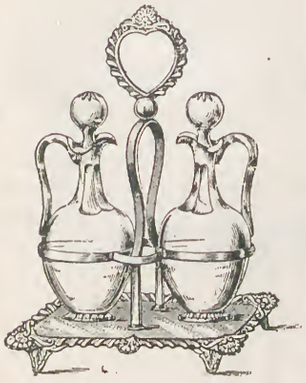
REVOLVING DISH.



No. **2837.**
Forming Soup Tureens, Breakfast or Entree Dishes.

	9	10	11 in. diam.
Electro Plate,	**106**/-	**118**/-	**134**/- each.

OIL & VINEGAR FRAME.



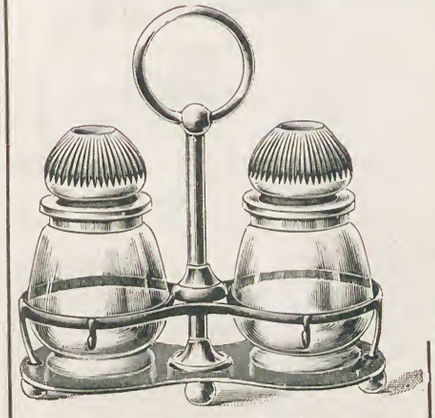
No. **2838.** 2 Bottle.
Cut Glass .. **56**/- each.

SAUCE FRAME.

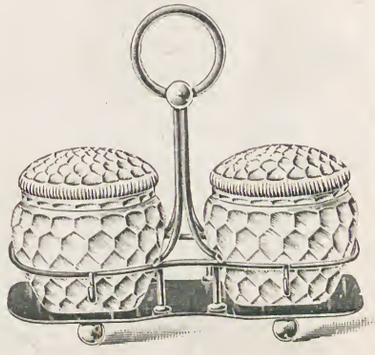


No. **2839.** For 4 Bottles. **40**/- each.

PICKLE FRAMES.



No. **2840.** 2 Bottle.
Cut Glass .. **48**/- each.



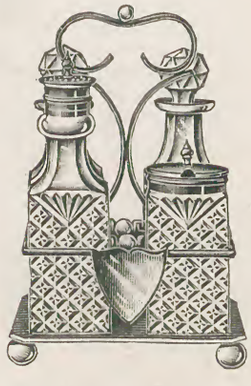
No. **2841.** 2 Bottle.
Richly Cut Glass .. **53/6** each.

BREAKFAST CRUET.



No. **2842.** E.P.N.S. **17**/- each.
With Spoons, **19**/- each.

CRUET.



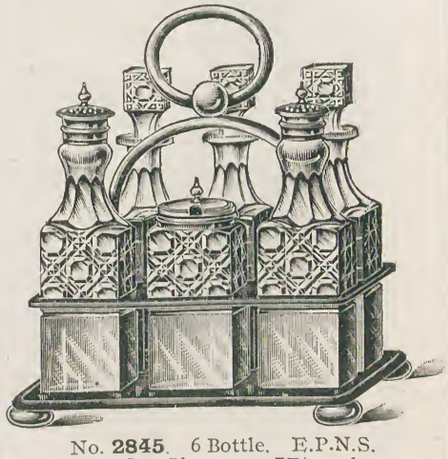
No. **2843.** 4 Bottle. E.P.N.S.
Best Cut Glass .. **32**/- each.
6 Bottle, Do. .. .. **46**/- ,,

CRUET.



No. **2844.** 4 Bottle. E.P.N.S.
Best Cut Glass .. **28/6** each.
6 Bottle, Do. .. **46**/- ,,

CRUET.

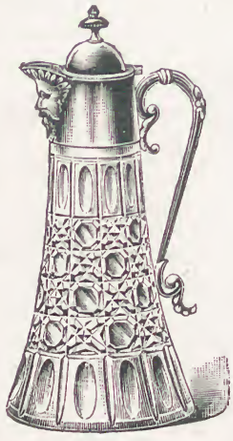


No. **2845.** 6 Bottle. E.P.N.S.
Best Cut Glass .. **57**/- each
4 Bottle, Ditto .. **44**/- ,,

CLARET JUGS.

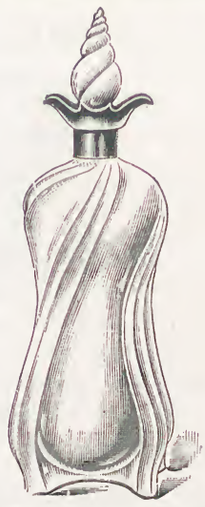


No. 2846.
Plain Cut Glass, Electro Plated Mounts.
33/3 each.



No. 2847.
Cut Glass Electro Plated Mounts.
39/- each.

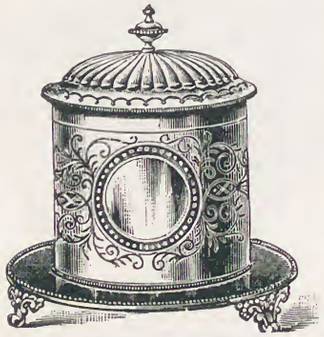
SPIRIT BOTTLES.



No. 2848. New Design. Silver Mounted Cut Glass. **34/-** each.



No. 2849. Black Forest. Richly Chased.
$\frac{1}{2}$ 1 1$\frac{1}{2}$ Pint.
48/- **56/-** **64/-** each.



No. 2850. BISCUIT BOX.
Electro Plate. Engraved. **40/-** each.



No 2851. BUTTER COOLER.
Electro Plated, with Glass Dish. **12/-** each.

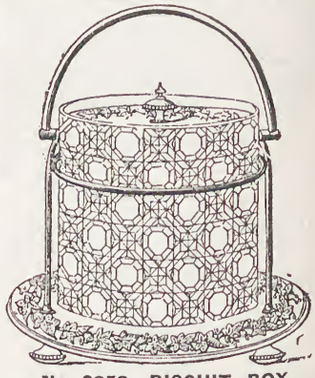


KETTLE.

No. 2852.

"Queen Anne."

Six Half-Pints. E.P.B.M. **60/-** E.P.N.S. **110/-** each.

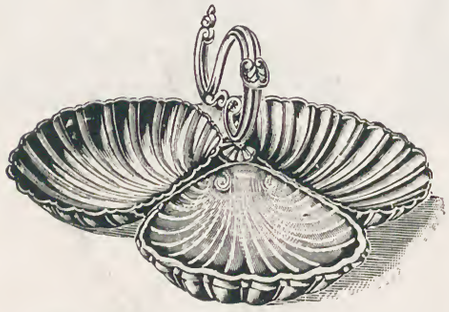


No. 2853. BISCUIT BOX.
Fine Cut Glass. Electro Plate on Nickel Silver. **40/-** each.



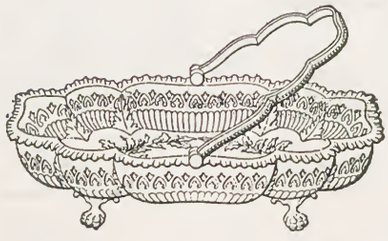
No. 2854. BUTTER COOLER.
With Glass Dish. **15/-** each.

BISCUIT, CHEESE, AND BUTTER DISH.



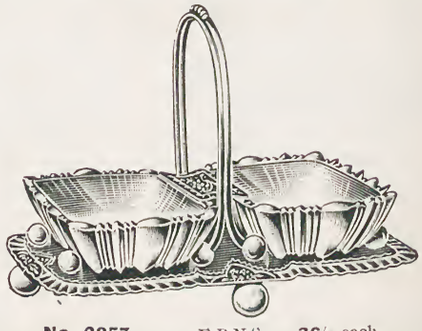
No. 2855. Complete with Butter Knife.
E.P.N.S. **50/-** each.

CAKE BASKET.



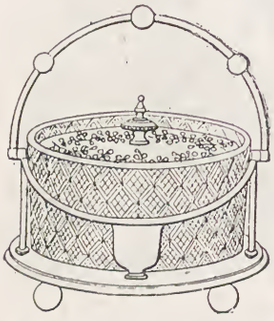
No. 2856. Neatly Pierced and Engraved.
E.P.N.S. **42/-** each.

DOUBLE JELLY OR JAM FRAME.



No. 2857. E.P.N.S. **36/-** each.

BUTTER COOLER



No. 2858. Richly-cut Glass.
E.P.N.S. Engraved Cover.
33/- each.

SERVIETTE RING



No. 2859.

E.P N.S. Chased and Pierced.

Oval. **4/6** each.

ROSE BOWL.



No. 2860.

Diameter	4½	6½	8	10 inch.
E.P.B.M.	**17/-**	**27/-**	**37/-**	**55/-** each.
E.P.N.S.	**31/-**	**57/-**	**75/-**	**100/-** ,,

SERVIETTE RING.



No. 2861.

E.P.N.S. Engraved.

4/- each.

SARDINE DISH AND SERVERS.

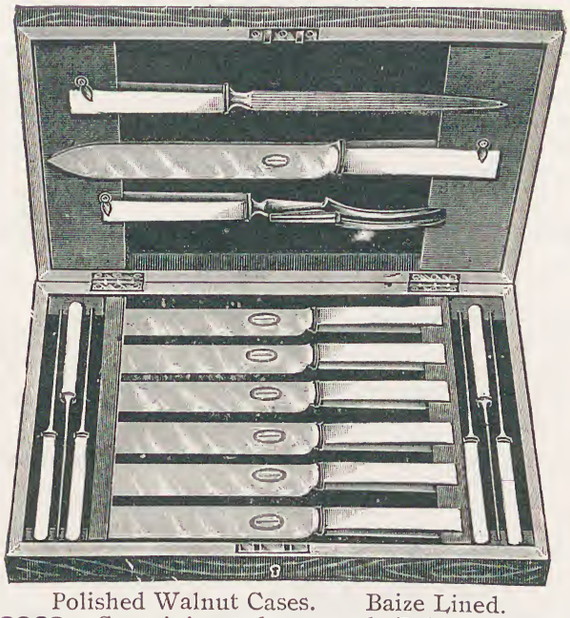


No. 2862.

48/- set complete.

CUTLERY CABINETS, &c.

CUTLERY IN CASE.

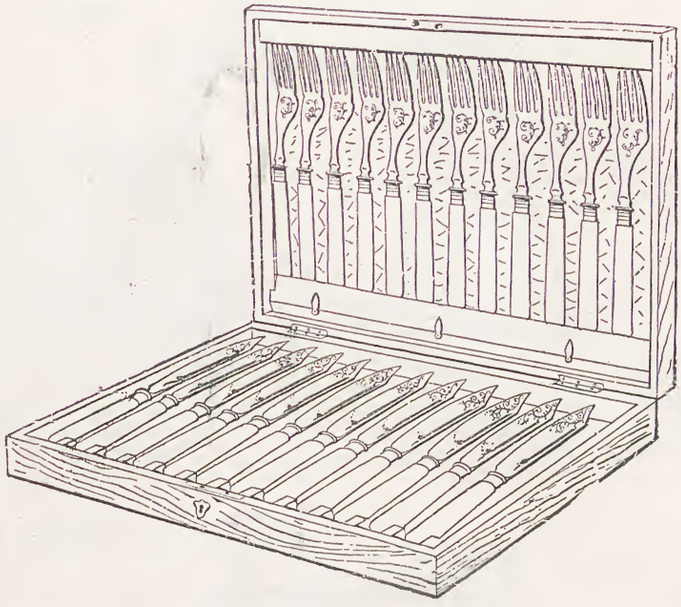


Polished Walnut Cases. Baize Lined.

No. 2863. Containing ½-dozen each Table and Dessert Knives and Set of Carvers. **31/6** per case.

No. 2864. Containing ½-dozen each Table and Dessert Forks, ½-dozen each Dessert and Tea Spoons, two Table Spoons, one pair Sugar Tongs and one Sugar Sifter. **40/-** per case.

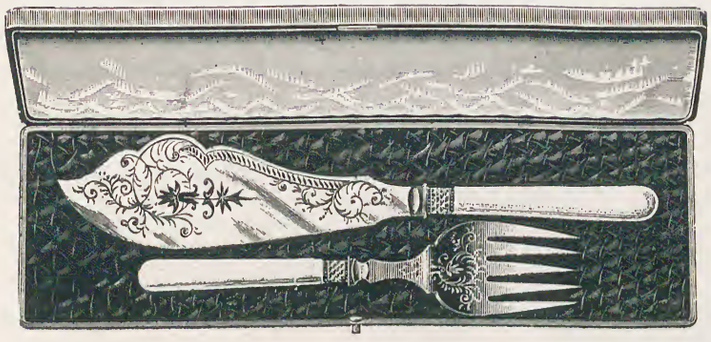
FISH EATERS IN CASE.



No. 2865. Fish Eaters.
Walnut Case, Velvet Lined, containing 12 pair Ivory Handled Fish Eaters with Silver Ferrules. **£6** per case.

No. 2866. Fish Eaters.
Case as above, and including one pair Fish Carvers.
£7 15 0 per case.

FISH CARVERS IN CASE.



No. 2867. Neatly Engraved. Good Ivory Handles.

E.P.N.S. **21/6** per case.

CABINET OF CUTLERY.



No. 2868 Best figured Oak Cabinet (18×14¼×7½ ins.) Velvet Lined.

CONTENTS :—

12 Table Knives	**1** Table Steel, 8 in.	**1** Gravy Spoon
12 Dessert Knives	**12** Table Forks	**2** Sauce Ladles
1 Pair 9 in. Meat Carvers, French Fork	**12** Dessert Forks	**2** Knife Rests
1 Pair Game Carvers French Fork	**12** Dessert Spoons **6** Table Spoons	**76** Pieces in Cabinet.

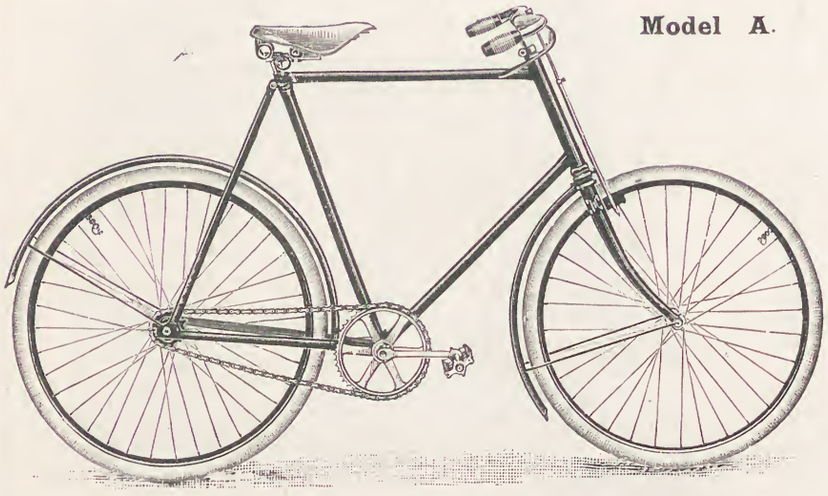
Price of Cabinet of 76 Pieces as above.	£	s.	d
Strong African Ivory Table Cutlery and A Plate, on Best Nickel Silver	**21**	**0**	**0**
Ivory Cutlery as above and B Plate, on Best Nickel Silver ..	**19**	**12**	**0**
Best Ivorygrain Knives and B Quality Plate, on Best Nickel Silver	**15**	**14**	**6**
Best Ivorygrain Knives and C Quality Plate, on Best Nickel Silver	**14**	**8**	**0**

If Cloth Lined, **15/-** less.

The wood is specially treated to prevent cracking, shrinking or warping in any climate.

"PALMER" CYCLES.

Model A.



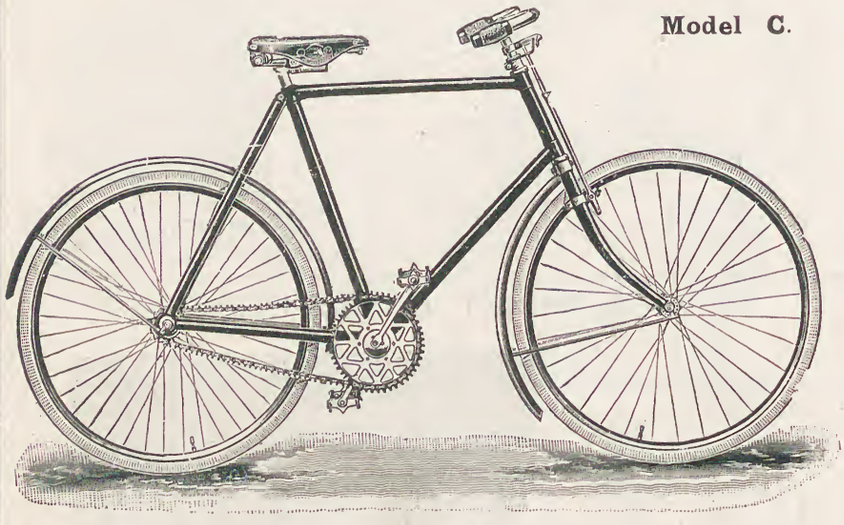
SPECIFICATION.

Handle Bar—As selected.
Chain—Roller, ½ in. pitch.
Pedals—Rubber or Rat Trap.
Enamel—Black.
Frame—24 inches or 26 inches.
Rims—Plated.
Gear—To order.
Wheels—28 inches.
Equipment—Tool Bag, Spanners, Oil Can and Pump.
Detachable Mud-guards.
Tyres—28 × 1½ inch Clincher.
Front Rim Brake.

With Hyde Free Wheel and Back-rim Brake,
similar to one shown on next page,
£8 15 0

Bowden Back Rim Brake (instead of above Brake) **6/9** extra.
Eadie Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined) can be fitted instead of Free Wheel and Back Rim Brake at same price.
Lamp and Bell extra.

Model C.



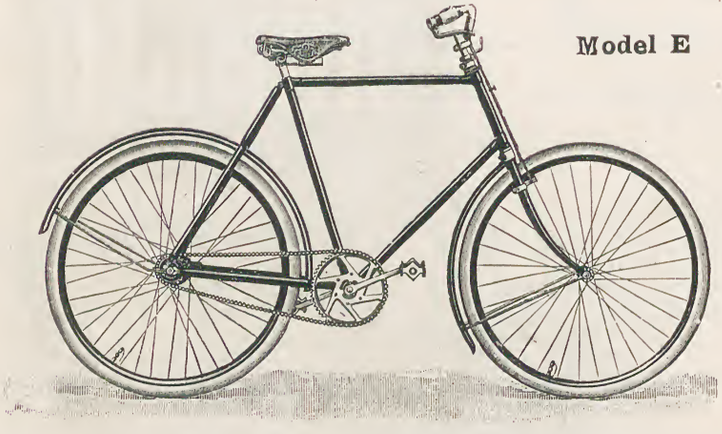
SPECIFICATION.

Fittings—Eadie.
Size of Frame—22, 24, 26 ins.
Sizes of Wheels—28 × 28 ins.
Brake-Work—Feather-weight Front Rim Brake.
Chain—Albert Eadie Roller.
Saddle—Lycett.
Pedals—Rat Trap or Rubber.
Tool Bag—Furnished with set of Spanners and Oil Can.
Finish—Best Black Enamel throughout.
Rims—Plated.
Mud-guards—Detachable.
Dunlop Tyres.

Fitted with Eadie Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined); or
With Hyde Clutch (Free Wheel) and Back Rim Brake; or
Ditto ditto and Back-pedalling Band Brake, as shown on next page.

Complete **£10 10 0**
Lamp and Bell extra.

Model E



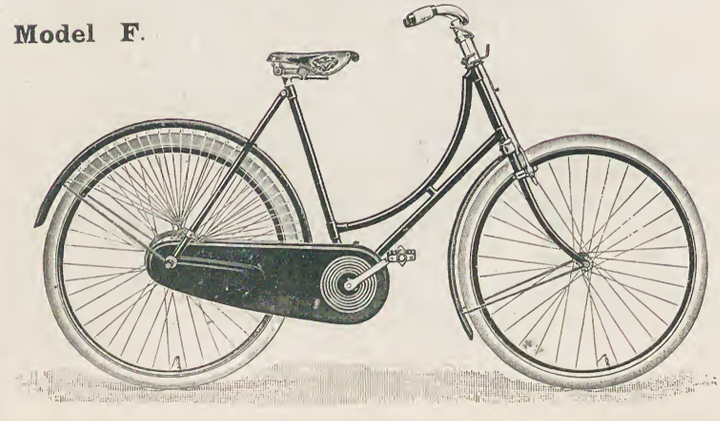
SPECIFICATION.

Fittings—Eadie's best.
Size of Frame—22, 24, 26 ins.
Sizes of Wheels—28 × 28 ins.
Chain—Eadie Roller.
Brake-work — Feather-weight Front Rim Brake.
Saddle—Eadie.
Pedals—Rat Trap or Rubber.
Tool Bag—Furnished with set of Spanners and Oil Can.
Finish—Best Black Enamel throughout.
Rims—Plated.
Mud-guards—Detachable.
Dunlop Tyres.

Fitted with Eadie Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined); or
With Hyde Clutch (Free Wheel) and Back Rim Brake; or
Ditto ditto and Back-pedalling Band Brake, as shown on next page.

Complete **£12 0 0**
Lamp and Bell extra.

Model F.



SPECIFICATION.

Fittings—Eadie's best.
Size of Frame—19, 21, 23 ins.
Wheels—28 × 28 ins.
Chain—Eadie Roller.
Brake-work—Front Rim Brake.
Saddle—Eadie.
Pedals—Rubber.
Tool Bag—Furnished with set of Spanners and Oil Can.
Finish—Best Black Enamel throughout.
Rims—Plated.
Mud-guards—Detachable.
Dunlop Tyres.

Fitted with Eadie Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined); or
With Hyde Clutch (Free Wheel) and Back Rim Brake; or
Ditto ditto and Back-pedalling Band Brake, as shown on next page.

With Metal Gear Case, complete **£12 10 0**
Lamp and Bell Extra.

"PALMER" CYCLES.

SPECIFICATION.

Handle Bar	As selected.	Wheels ..	28 in. equal.
Chain ..	Roller, ½ in. pitch.	Equipment	Tool Bag, Set of Spanners, Oil Can and Pump.
Pedals ..	Rubber.		
Enamel ..	Black.	Tyres ..	28×1½ in. Clincher. Detachable Mud-guards.
Frame ..	21 ins. or 23 ins.		
Rims ..	Plated.		
Gear ..	To order.		

Front Rim Brake.

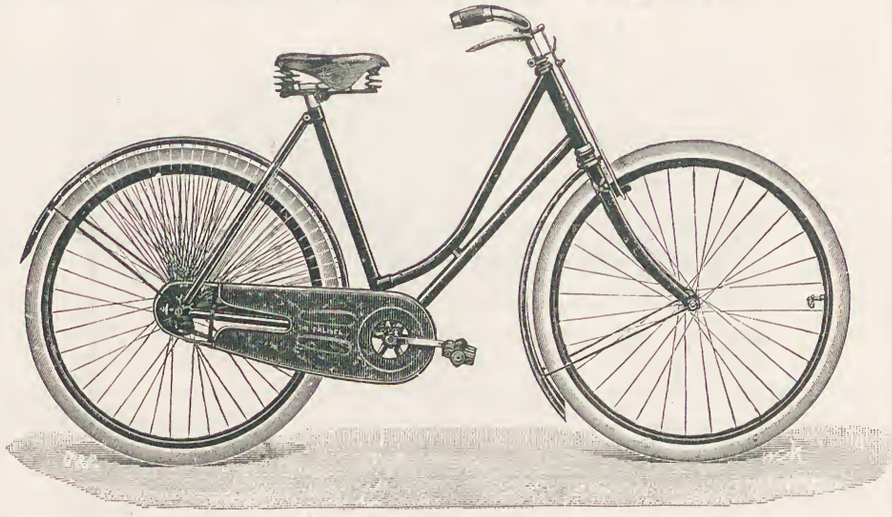
With Hyde Free Wheel and Back Rim Brake,
Similar to one shown below.

£9 0 0.

Bowden Back Rim Brake (instead of above Brake) **6/9** extra.

Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined) can be fitted instead of Free Wheel and Back Rim Brake at same price.

Lamp and Bell extra.



MODEL B.

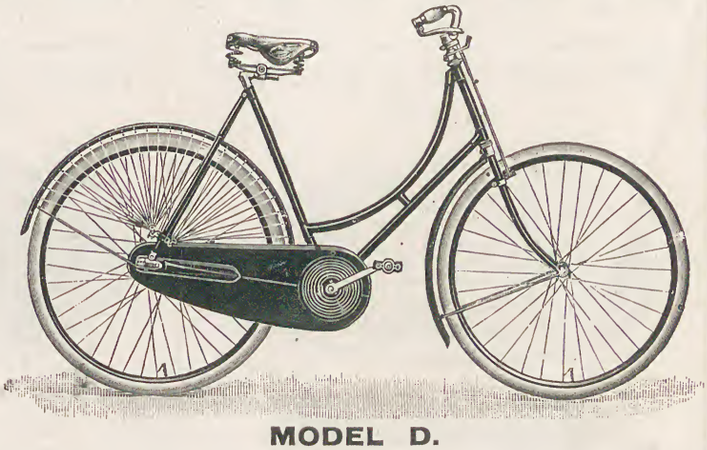
SPECIFICATION.

Fittings ..	Eadie.	Pedals ..	Rubber.
Size of Frame	21, 23 and 25 inch.	Tool Bag ..	Furnished with Set of Spanners and Oil Can.
Size of Wheels	28 inch × 28 inch.		
Brake-work ..	Feather-weight front Rim Brake.	Finish ..	Best Black Enamel throughout.
Chain	Albert Eadie Roller.	Rims ..	Plated.
Saddle ..	Lycett.	Mud-guards	Detachable.

Dunlop Tyres.

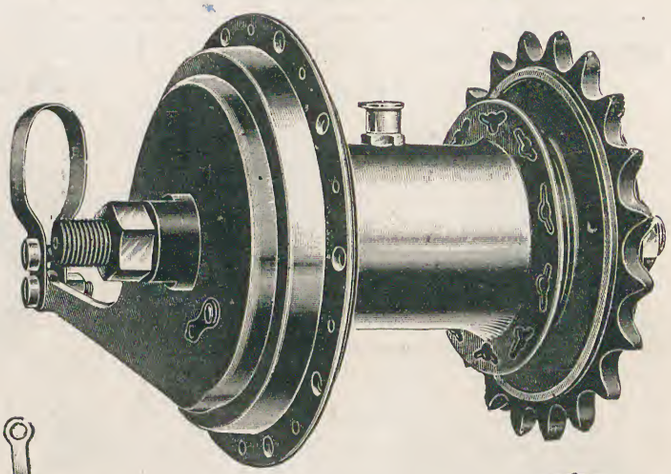
Fitted with Eadie Coaster Hub (which is a Free Wheel and Back-pedalling Brake combined ;
or
With Hyde Clutch (Free Wheel) and Back Rim Brake ;
or
Do. do. and Back-pedalling Band Brake.
With Metal Gear Case, complete, **£10 15 0.**
Lamp and Bell extra.

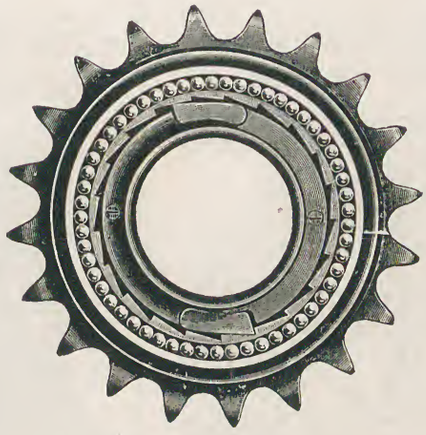
} As shown below.



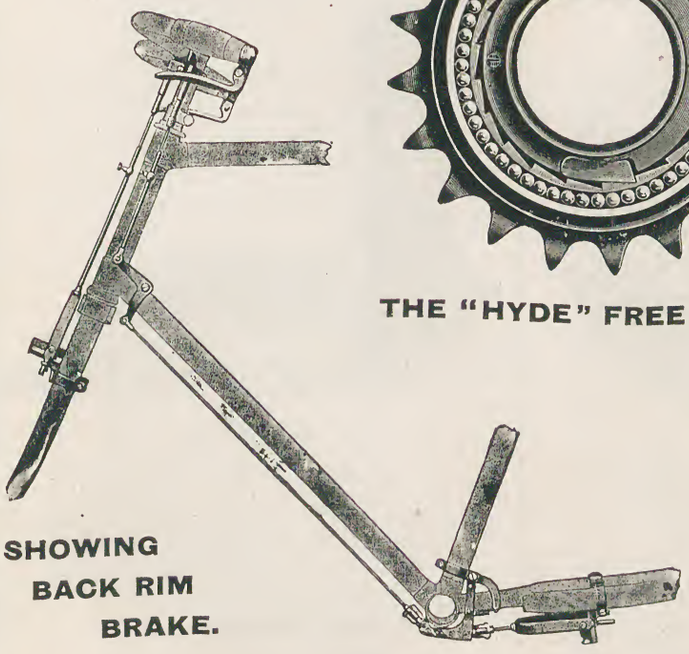
MODEL D.

EADIE COASTER HUB.

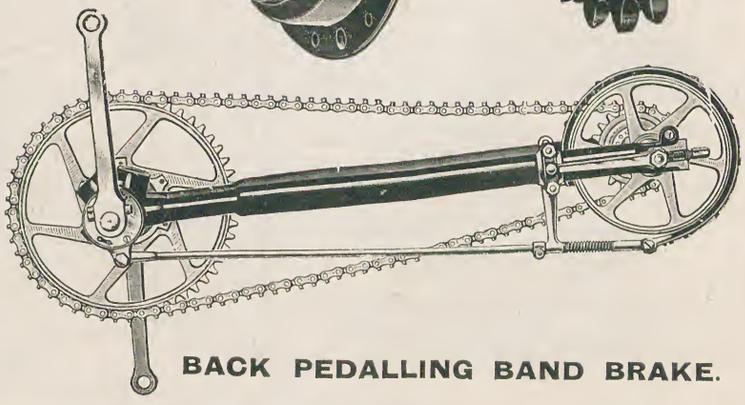




THE "HYDE" FREE WHEEL.



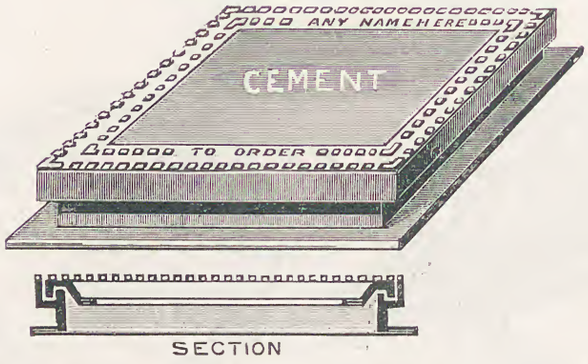
SHOWING BACK RIM BRAKE.



BACK PEDALLING BAND BRAKE.

MANHOLE COVERS AND FRAMES.

PAVEMENT MANHOLE COVER AND FRAME.



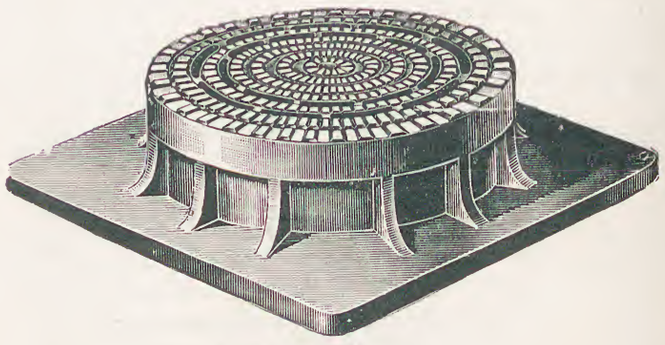
SECTION

No. 2869. For Cement.

Sizes	12×12	12×20	12×24	18×18	18×24	18×30 in. Opening.
Prices	**17/3**	**11/9**	**27/6**	**13/-**	**14/6**	**26/3** each.
Sizes	24×24	24×26	24×30	30×30	30×36	36×45 in. Opening. Double.
Prices	**17/9**	**26/3**	**29/6**	**31/-**	**42/-**	**40/6** each.

Other Sizes as desired quoted for.

HEAVY ROAD MANHOLE COVER AND FRAME.



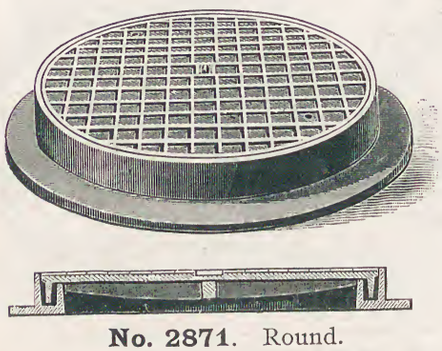
No. 2870. Ventilated.

With Grooves to carry Mud Bucket.

20 in. Opening
30 in. over flange
7 in. Depth
Approx. Weight 5 cwt. 0 qrs. 16 lb.

Plain Casting.
61/3 each.

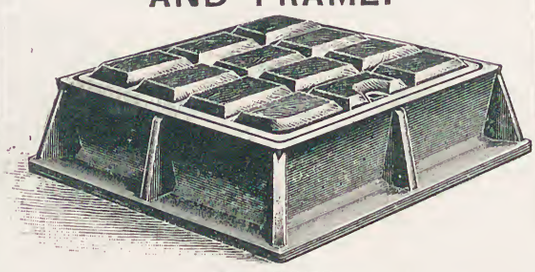
AIR-TIGHT INSPECTION COVER.



No. 2871. Round.

21 ins. diameter. **10/6** each.

ROAD MANHOLE COVER AND FRAME.

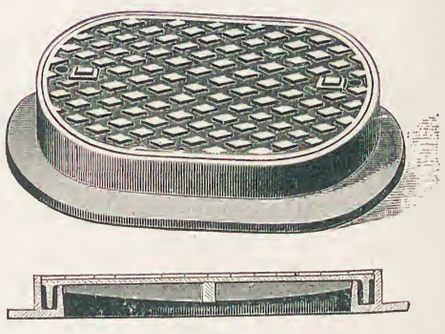


No. 2872.

23¾ ins. Square outside at Top
22 ,, ,, inside at Top
22 ,, ,, inside at Bottom
27 ,, ,, at Flange
6¼ ,, Full Depth

Complete with twelve Wood Blocks
50/- each.

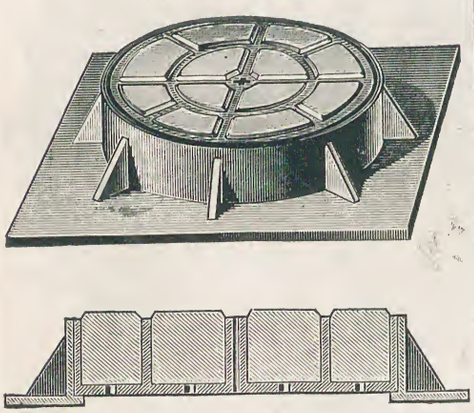
AIR-TIGHT INSPECTION COVER.



No. 2873. Oval.

24 × 18 in. Opening. **12/6** each.

ROAD MANHOLE COVER AND FRAME.

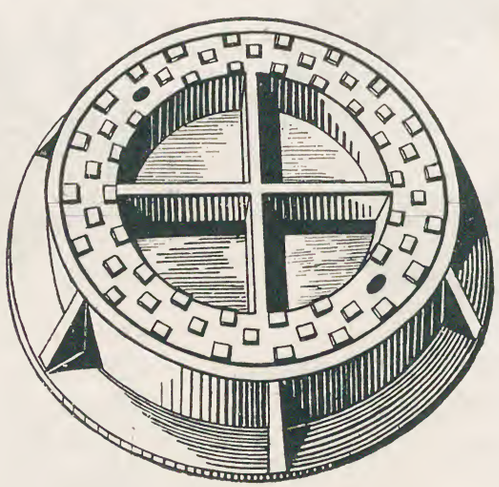


No. 2874. With Wood Blocks.

Size—20¼ ins. Diameter outside at Top.
19 ,, ,, inside at Top.
16¾ ,, ,, inside at Bottom.
28 ,, Square at Flange.
5 ,, Full Depth.
Approximate Weight, 2 cwt. 2 qrs. 10 lb.

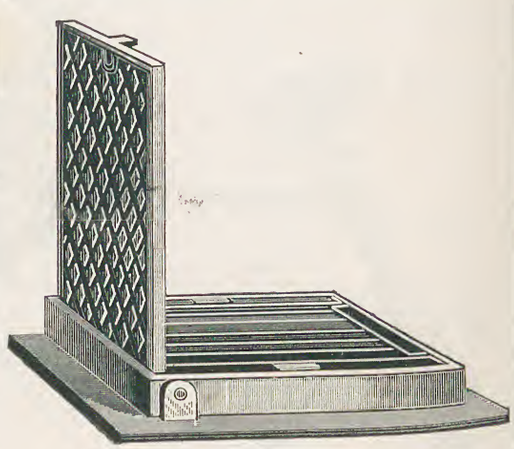
Complete with twelve Elm Blocks,
38/6 each.

HEAVY ROAD MANHOLE COVER AND FRAME.



No. 2875. Round, for Wood Blocks.
Dimensions—18 ins. diameter inside.
21¾ ins. over Top.
6 ins. deep.
26½ ins. over flange.
Approximate Weight, 3 cwt. 0 qrs. 0 lb.
32/6 each.
If fitted with four Wood Blocks, **36/-** each.

SIDE ENTRANCE COVERS WITH SAFETY GRATES.



No. 2876.

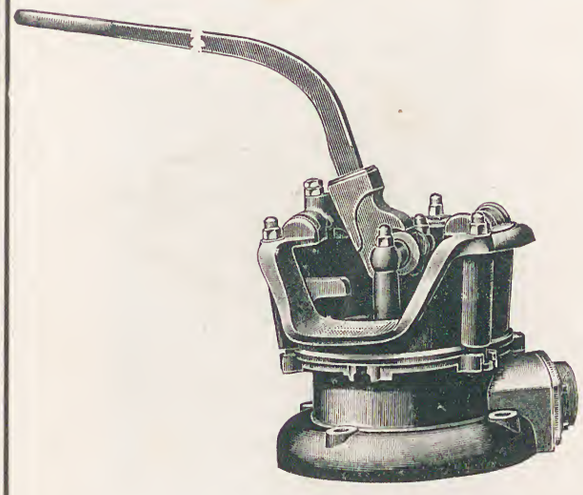
Sizes in the Clear.

24×24 30×26 30×30 36×36 inches.
Made with Cast Iron Door and Grating,
Cast Iron Door and Wrot. Grating,
and Wrot. Door and Grating.

Prices on application.

For other Manhole Covers and Frames, see pages 576 to 578.

DIAPHRAGM CONTRACTORS' PUMP.



These pumps are most suitable for contractors and general service for raising large quantities of water from depths not exceeding 25 ft. In the Diaphragm Pump a rubber diaphragm takes the place of the bucket or plunger in an ordinary pump which enables it to easily deal with water containing foreign matter such as sand, grit, small stones, chips, etc., and it is also a most suitable pump for dealing with sewage matter and liquid manure. There is very little friction in a Diaphragm Pump as compared with an ordinary Plunger Pump, so that a man is able to lift greater quantities of water with the Diaphragm Pump than with the ordinary pattern. The diaphragm is of best quality rubber. The valves are of metal, rubber faced, and are readily accessible. It will be seen from the engravings that this pump is designed so that the relative positions of the lever, spout, and suction inlet can be varied to suit customers' requirements, but unless specified to the contrary the pump is always supplied as shown in engraving.

Illustration shows Pump with Side Inlet. This pattern is intended to be mounted on a baulk of timber so that it can be moved from place to place for Contractors' use such as pumping out trenches, foundations, etc.

A Bottom Inlet Pump can be supplied at the prices given. This pattern is usually screwed female for iron pipe and is intended to be placed in a permanent position for pumping bilge out of a ship or fixed over a dumb well.

PRICE LIST.

		No. 2	No. 3	No. 4
Size of Pump		No. 2	No. 3	No. 4
Bore of Suction Pipe		2½ in.	3 in.	4 in.
Nominal capacity in gallons per hour		1,800	4,000	6,000
No. 2877. Bottom Inlet Pump	each,	**£5 7 0**	**£6 2 3**	**£11 3 3**
,, **2878.** Side Inlet Pump	,,	**6 11 9**	**7 5 9**	**14 2 0**

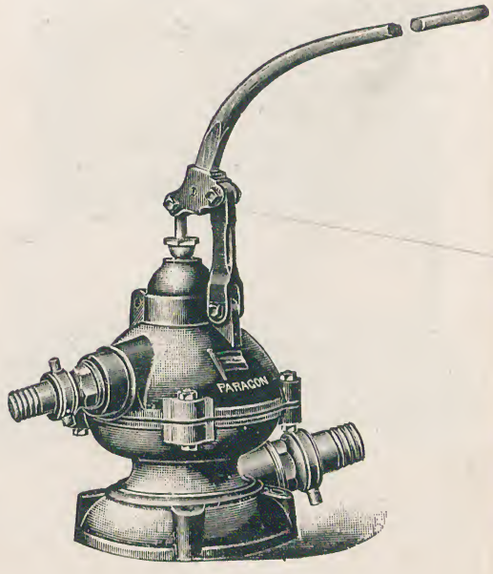
FITTINGS AND ACCESSORIES FOR DIAPHRAGM PUMPS.

Brass Half-hose Union for Side Inlet Pump	each	**0 14 3**	**0 18 9**	**1 9 6**
Cast Iron Foot Valve and Strainer, with connection Ribbed for Hose Pipe	each	**0 17 9**	**1 3 6**	**1 17 9**
Cast Iron Foot Valve and Strainer screwed for Iron Tube	each	**0 11 9**	**0 15 3**	**1 6 0**
Special 4-ply Vulcanized Rubber and Canvas Suction Hose wired inside	per foot	**0 4 6**	**0 5 6**	**0 7 6**
Special Wrought Iron Clips for securing hose to unions	per union	**0 4 9**	**0 7 0**	**0 8 3**
Spare Diaphragms	each	**0 17 9**	**1 1 3**	**1 6 0**

DIAPHRAGM "ODOURLESS" SEWAGE PUMP.

No. 2879. This Pump works on the same principle as the Diaphragm Contractors' Pump but is fitted with a covered top so as to render it odourless when used for pumping sewage from dumb wells at country houses, etc. and delivering into sewage cart or discharged through a length of hose pipe direct on to the land. It is easier to work and less likely to become choked than the ordinary pump, and with the great advantage that no smell arises from the pump.

This pump has 2 in. suction and delivery connections and has a capacity of about 1,000 gallons per hour.



PRICE LIST.

Pump, as illustrated, with suction and delivery screwed for iron pipe		**£6 10 6**
EXTRAS.—		
Hose Unions		**1 8 3**
Suction Hose	per foot	**0 3 6**
Delivery Hose	,,	**0 3 3**
Wiring Hose to Unions	each connection	**0 3 6**
Spare Diaphragms		**0 16 0**

FOR OTHER PUMPS SEE PAGES 663 TO 666.

FIRE SCREENS AND FLOOR GONG.



No. **2881**.

Repoussé Oxidized Silver Panel, in Polished Brass Frame.
52/- each.

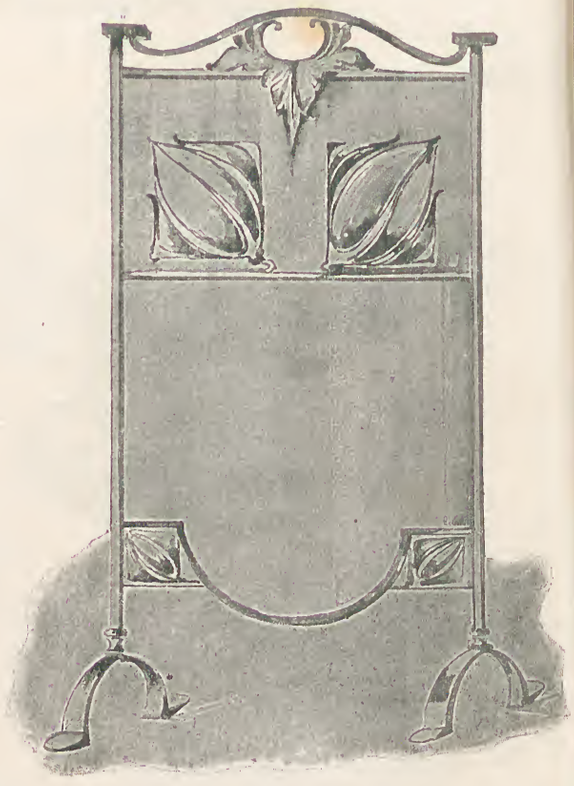
Repoussé Art Copper Panel, with Hand-forged Frame, in Iron.
33/9 each.



No. **2880.**

Quaint Repoussé Antique Copper Panel, with Hand-forged Frame, in Iron.

26/6 each.



No. **2882**.

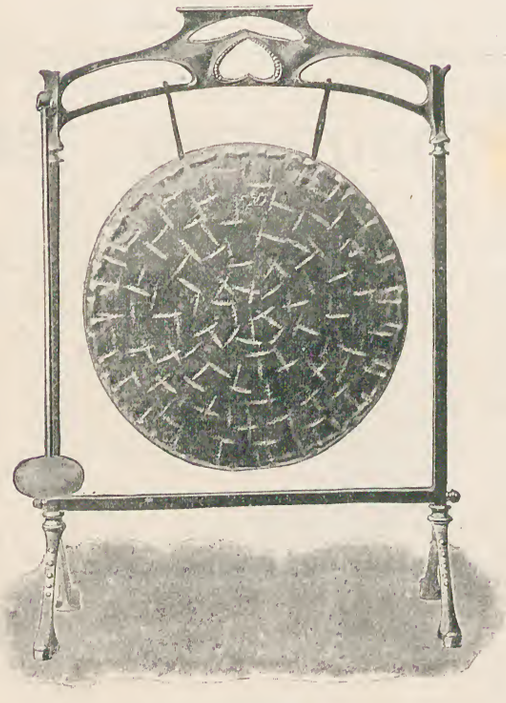
Repoussé Copper Fire Screen, with Brass Frame and enrichments, with Muffled Glass Panel.

48/- each.



No. **2883.**

Polished Brass Frame, with Hand-painted Mirror.
30/6 each.



No. **2884**.

Cast Brass Frame, with 12 in. Burmese Gong.
52/- each.



No. **2885**.

Polished Brass Frame, with Hand-painted Mirror.
23/3 each.



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